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Glom: Information Agglomerates-an Organic Representation for Quantitative Information

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Submitted to the Program in Media Arts and Sciences
School of Architecture and Planning
in partial fulfillment of the requirements for the degree of
Master of Science
at the Massachusetts Institute of Technology

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Abstract

There exists an imbalance between the sheer mass of information we feel responsible for and the tools we use to help us make sense of this information. This thesis describes a new approach to representing large bodies of quantitative information called GLOMS. These information agglomerates take advantage of the user's innate visual faculties and familiarity with everyday objects to provide an interactive, visual and computational representation that facilitates retention of the salient features of a given data set. The defining characteristics of a GLOM representation are introduced through a series of prototypes and the description of a large controlled system: BLITZGLOM. This system visualizes data garnered from the web-based game BLITZ that was created for this thesis.

Thesis Advisor:
John Maeda
Assistant Professor of Design and Computation

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The following people served as readers for this thesis:

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1 *Acknowledgments*

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Kudos to my roommates for putting up with me. Love to my parents who have always supported me however crazy the endeavor. Wulfie: "woof!"

In memory of Rosita Grenby.

May 1998
Cambridge, Massachusetts

2 *Introduction*

> *The artist became the foundation on which progress in the reconstruction of life could advance beyond the frontiers of the all-seeing eye and the all-hearing ear. Thus a picture was no longer an anecdote nor a lyric poem nor a lecture on morality nor a feast for the eye but a sign and symbol of this new conception of the world.*
>
> *(Lissitzky, 1920)*

The purpose of this thesis is to identify new visual techniques to be employed in the representation of quantitative information. Three years shy of the new millennium, the world finds itself awash amid the overwhelming mass of implicit and explicit streams of data. Sensor technologies-our augmented senses of seeing and hearing-and processor technologies have improved at an exponential rate. In combination with an increasing level of connectivity, these technologies provide us with and give us access to a historically unprecedented volume of raw information. Our ability to process this flow of information depends largely on innovative software tools. Not thirty years have passed since the introduction of new and powerful tools such as the electronic spreadsheet and the relational database. These tools were developed to streamline the flow of information processing. In this domain, they have enjoyed enormous success. At the same time, the approach to information visualization that this type of tool demonstrates falls short in many respects, particularly in leveraging off our enormous innate abilities to process visual, i.e. pictorial, information.

As the thesis title suggests, our efforts have focused on the identification of organic techniques for the visual representation of information. By organic we refer to methodologies that are characterized by *a.* lifelike motion, *b.* agglomerations or grouped masses of atomic components. We choose to employ organic techniques because these kinds of techniques have yet to be invented for or implemented at a significant scale in this domain of information visualization. We ask the question: can an organic approach to the visual organization and display of quantitative data be identified and implemented? In striving to answer this question, we have grounded our thesis research in the creation of a series of small-scale prototypes. Individually, these prototypes feature different techniques. As a series, these prototypes share a common theme in that they all are working examples of an organic approach to information visualization. In addition, we have striven to demonstrate that the organic approach to information visualization is versatile. To this end, the prototypes have been designed to represent bodies of raw data from different domains.

Drawing from our experiences with the prototype applications, the thesis advances the organic approach to information representation through the description of a large-scale, work in progress implementation of these concepts: BLITZGLOM. The completed companion system that generates the data for the BLITZGLOM representation is also considered in detail.

Before proceeding, it is important to note that the work described in this thesis is the product of a close collaboration between the author and Professor John Maeda. This collaboration persisted through the formation and first two years of the Aesthetics and Computation Group at the MIT Media Lab. The prototypes, projects and many of the ideas described in this thesis are the direct result of this collaboration, as evidenced by the frequent use of the pronoun "we".

2.1 Motivation

We are motivated by the perception of a pervasive frustration with traditional methods of visualizing information. The popular press is filled with pieces that point to shortcomings in existing tools and methodologies for processing bodies of data. We hope to provide an alternative to existing

methods of representation. We do not seek to replace current tools; rather we strive to augment our ability to process information by creating new opportunities for the user to increase their awareness of the underlying trends and biases that exist in their data.

The last century has seen considerable advances in the practice and theory of visual design. For the most part, the goal of refinement in this field has been to facilitate the subjective experience that surrounds the communication of information. Historical movements have approached this challenge in various ways, proposing a variety of approaches to the problem of visual communication. On one extreme, we find proponents of the dogmatic application of identified guidelines of design. This approach is exemplified by manifesto-driven movements such as Futurism. Perhaps a more enlightened approach, formalized in early Modernist circles, is a methodology that involves the identification of the elements that comprise the fundamental mechanisms of communication design. We are motivated by, and seek to incorporate this approach in our definition and exploration of the emerging field of organic information visualization.

"Overemphasis", Paul Zelanski notes, "on either form or function can be carried to extents that some people judge negatively." (Zelanski, 1996) Existing tools and methodologies for the processing and interpretation of data are exceedingly functional. Issues of form are not considered at length. Spreadsheet representations, for example, are heavily gridded; the information they present is primarily alphanumeric. We are motivated to push beyond the existing boundaries in the domain of "formal" information. We seek to integrate form-based solutions with proven text or number based methods. In short, the thesis proposes and describes the implementation through computational means of visual representations informed by a traditional aesthetic sensibility.

2.2 Accomplishments

- Formal definition of the key features of the organic architecture that characterizes the ideal GLOM system.
- Description and implementation of four discrete methods for agglomerating data sets including the "Vector Slide" and "AutoGlommit" techniques.

- Deployment of GLOM systems on SGI, Macintosh, Windows and Java platforms.
- Development of four key prototype GLOM systems: Gradus, Munsell, StockGLOM and TribuneTOC.
- Development of BLITZ, the web-based Java game.
- Design and early development of BLITZGLOM, a GLOM visualization for data collected from the BLITZ game system.
- Development of the communications and database layers for the BLITZ system.
- Development of GLOP, a falling brick puzzle game and an early candidate for generating data.
- Gradus prototype accepted as a Design Sketch at SIGGRAPH '97.
- BLITZ receives peer acclaim on the web: "new" and "cool" on www.gamelan.com (98-04-07); www.jars.com rated in the top 5%, receives a score of 976/1000 (98-05-07); www.happypuppy.com reviews BLITZ and posts a link (98-05-08); solicited by SEGAsoft to develop a game for their site (98-04-29); several sites post links or request that we upload the game to their site: among them are www.bonus.com and www.atomicjava.com.
- Approximately 5,000 people play BLITZ during the first forty days it is posted.

2.3 Thesis Scope and Overview

The thesis document develops the notion of organic information architecture through the description and evaluation of prototype implementations of our ideas. In order to establish a sense of context, the document begins in Chapter 3 with a consideration of related work. We consider related work of two kinds. The first kind is work that has changed our ideas about what is possible in the realm of information visualization. This work has served as an inspiration to us in our attempts to break new ground. The second kind is related work that we feel parallels our own efforts in specific domains. This work is compared and contrasted against our own efforts in order to provide the reader with an opportunity to differentiate and evaluate our findings.

Chapter 4 is dedicated to the description and evaluation of early thesis prototypes. These early prototypes include: GRADUS, a proposed visual-

ization of the English language; Munsell, a three-dimensional GLOM representation of RGB color space; the Chicago Tribune project, a GLOM table of contents for online newspapers; and StockGLOM, a visualization of a live feed of mutual fund information.

Chapter 5 introduces BLITZ, the online Java-based game that was conceived as a controlled source of data to be visualized. The development phase of BLITZ is documented, along with issues of implementation and residual projects such as the level editor that was implemented to extend the functionality of the game.

Finally,Chapter 6 generalizes glomming techniques deployed in the early thesis prototypes through the description of BLITZGLOM: a GLOM representation based on the data generated by the BLITZ game and related database systems.

3 *Related Work*

The related work presented in the following section can be broken down into at least two main classifications in juxtaposition with our own work. Firstly, there is the work that we have found to be directly inspirational. This class of work has had a significant impact on the way we think about visualizing information. The work itself may or may not have broken new ground in the field of information architecture, but at the time we came across it our eyes were opened and a new realm of possibilities seemed to open up. This type of work moved us, and more often than not resulted in a sea change in our methodology. The second main classification of related work encompasses work we feel runs in parallel or intersects with our established direction. Works of this kind serve to encourage us in a particular direction or warn us with regards to the pitfalls inherent in unforeseen eventualities.

While varied in terms of the individual source, upon first review it seems to us that our inspiration rests on a relatively constricted foundation. The majority of our stimulus seems to come from within the field of information architecture. Certainly, this is a responsible approach. After all, it is of paramount importance to familiarize oneself with the history and state-of-the-art of the field in which you seek to innovate. However, we aspire to create systems that lie "outside the box". It is our intuition that inspiration for this type of innovation comes from within. That said, this notion of "within" is not a self-sustaining one. Simply, it is our belief that a diverse

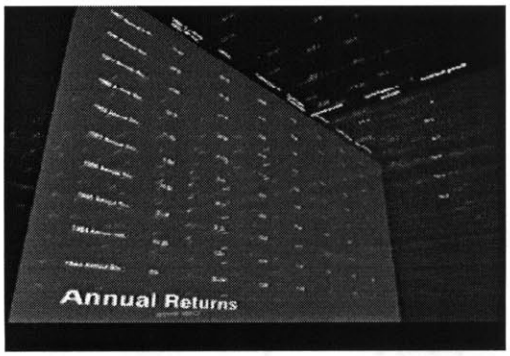


Fig.3-1: Lisa Strausfeld's *Financial Viewpoints* and David Small's *Navigating Shakespeare* two seminal projects from the former Visual Language Workshop at the MIT Media Lab. Both pieces focused on the three-dimensional representation of text and numerical information. These works inspired us to begin the study of computational information architecture.

set of inputs increases one's ability to synthesize an increasingly variegated set of outputs. Although not formally documented here, it bears mentioning that a significant portion of inspiration comes from the study of nature and natural systems. Thus, methodological books such as D'Arcy Thompson's "On Growth and Form" (Thompson, 1942) and surveys such as "The Parsimonious Universe: Shape and Form in the Natural World" (Hildebrandt, 1996) receive special attention. In addition, we find tremendous encouragement in the study of the history of aesthetics. On the surface, our work is easily reconciled with the field of graphic design. In

this area, we are guided by the masters: individual such as the late Paul Rand, Jan Tschichold and El Lissitzky.

Perhaps less immediately evident is the inspiration we draw from the field of architecture. In that the bulk of our solutions are implemented as numerical codes, there is of course the problem of software system architecture to be considered for each project. This relationship to the study of architecture, while exceedingly abstract, is very real; and it is our two and three-dimensional visual representations that are most closely aligned to the ancient discipline. We are concerned with issues of lighting, space, form and navigation. Our materials are not mortar and stone, but polygons and parametric curves. We constrain the viewer's eye and their ability to move through our constructs. We control the source of light. Our structures collapse under their own complexity-simply refusing to render-in the same way the under-engineered building fails under its own bulk. This level of control, and the desire to wield it in a responsible and effective manner spurs our interest in the study of sacred and natural geometries. Numbers such as *e* and *pi,* ratios and sequences that occur throughout the natural world are at once intriguing and dangerous. In that they are so well known, one runs the risk of cliché through an unconsidered application of these "ingredients". In spite of the potential drawbacks, we maintain a stolid belief in the merits and potency of these numbers and look to the fields of design and architecture for successful examples their integration.

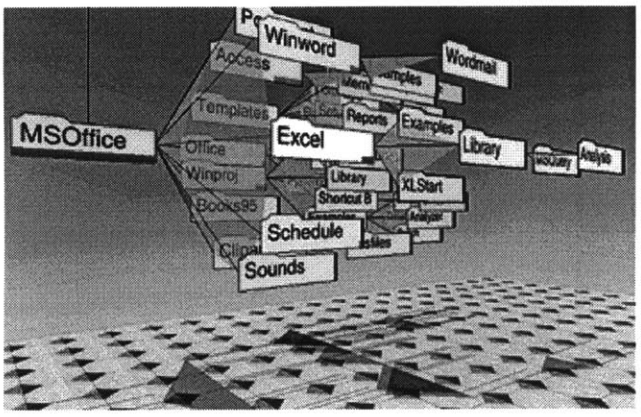
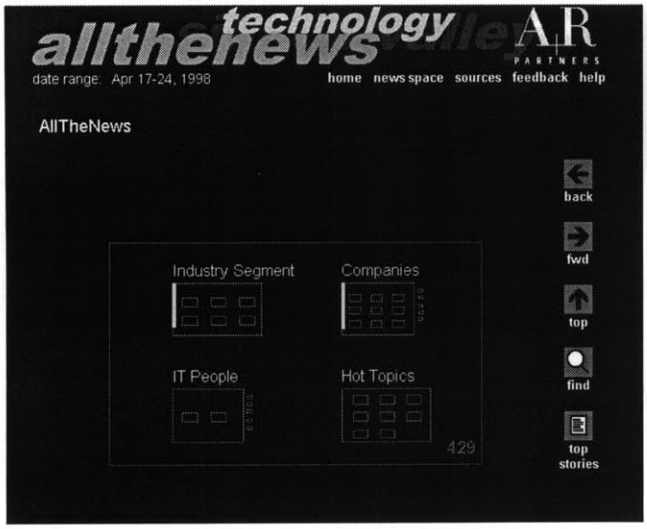


Fig.3-2: *The Cone Tree.* Developed at Xerox Parc it is now marketed by Xerox spinoff InXight. *The Cone Tree* organizes vast numbers of files in a tree structure. Multi-page documents can be seen on a single screen. The structure transforms in real-time, allowing the browser to navigate the entire document heirarchy by wrapping it in a 3-dimensional cone.

Of particular interest are four fields of architecture: Classical, Gothic, Modern and Structural Rationalism. We look to the Classic and the Modern for their seeming lack of complexity: N.B. this quality of simplicity, of conservation is distinct from a lack of sophistication. Both of these approaches to design exhibit an interest in the identification and glorification of the essential elements of design. In isolation, these elements of course have inherent limitations; i.e. systems based solely on these basic components run the risk of sterility. It is for the successful integration of these elements in intensely complex systems that we strive. This is why we find inspiration in portions of the Gothic. It is not so much the pure aesthetic of the style as much as it is the pervasively organic nature of these projects. Many Gothic cathedrals are the products of generations of labor and design. The final construct bears varying degrees of similarity to the original plan. What is impressive is not the simply the amount of time it took to construct these buildings, but rather the process of that construction: the way in which the final form was realized.

These are stratified, living monuments: fossils of vision. In our own projects, we have complete control over the same building process. In the computer, we have a "workforce" that is able to labor at a tireless pace. As such, we aspire to implement the essence of the lessons of organic architecture we are able to extract from the study of the history of the field. This implementation will use the digital medium to full advantage in an attempt to drastically compress the production timeframe.

Among the individual architects from whom we garner inspiration is the Catalan Antoni Gaudi. We are particularly impressed by the organic nature of his structures. In Gaudi, we sense a synthesis of craftsmanship and technology. This magical tension is perhaps best introduced by the words of the French architectural theorist Eugène Viollet-le-Duc, a voice of the Structural Rationalists and undoubtedly an early influence on Gaudi. "In architecture, there are two necessary ways of being true. It must be true according to the programme and true according to the methods of construction. To be true according to the programme is to fulfil exactly and simply the conditions imposed by need; to be true according to the methods of construction, is to employ the materials according to their qualities and properties...purely artistic questions of symmetry and



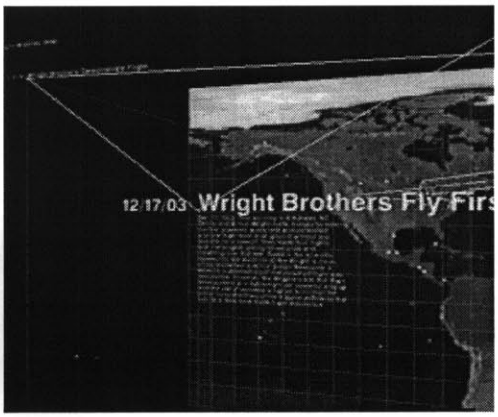


Fig.3-3: Stills from *The Millenium Project* and *PerspectaView.* These projects by Earl Rennison and Lisa Strausfeld of Perspecta exemplify the "overview-and-zoom" approach first presented in Rennison's *Galaxy of News* project. The user flies through the data set, thereby increasing the specificity of available information.As the user is increasingly separated from the initial vantage point this approach may introduce complications with disorientation.

apparent form are only secondary conditions in the presence of our dominant principles (Eugène Viollet-le-Duc, *Entretiens sur l'architecture,* 1863-72) Powerful sentiments, but perhaps only the first half of the equation. As an end in itself Viollet-le-Duc's approach is lacking; the assumption of the superfluity of the "artistic questions" is a regrettable notion. We are reminded of software engineers who pronounce a project done when the underlying algorithms are stabilized and the source code has been debugged. Time for the designers to "make it look good". Masterfully executed, this process of "making it look good" is as critical to the success of a project as the underlying engineering. We are inspired by Gaudi's Casa Milà, a daringly unique building that exhibits a highly organic aesthetic resting upon a-for its time-technologically advanced armature.

> The peaks and chimneys of the Casa Milà rise out of the rational grid of Barcelona as the crown of an undulating cliff face, a cyclopean gesture whose overwhelming sense of weight seems to

> contradict its free and delicate organization about three irregularly shaped courts. This contradiction finds its parallel in the perverse suppression of the building's steel structure behind massive stone facing. As in the Park Güell, the articulation of the structure has been sacrificed to the evocation of some primal force. Nothing could have been further from Viollet-le-Duc, for neither the fabric nor its mode of assembly was explicitly rendered. (Frampton, 1992)

The suppression of the engineering substructure may have been "perverse", but it was calculated and executed to great and lasting effect.

What follows is a collection of projects, individuals and fields that we consider to be inspirational or related to our current work.

3.1 Sandia Labs

Chuck Meyers and his team at the Sandia Labs in New Mexico are working on an intriguing project in virtual reality information visualization. Meyers and his team have taken the phrase "information landscape" to heart, creating virtual landscapes of information. Upon first glance, the "Navigating Science" interface looks like a tropical island as seen from an airplane approaching from above. Mountains and valleys colored green and fading to a clay-like brown color at the lower altitudes, rise up from sand-colored shores out of a blue ocean that stretches to infinity. The stated goal of the project is "to develop a method of exploring and analyzing scientific literature using virtual reality. This method will allow users to explore a three dimensional terrain of scientific papers which are spatially graphed by their similarity." (Fig. 3-4) In their schema, individual papers are represented either as colored dots or spheres. This geometry is given x, y and z coordinates based on its similarity to other papers in the system. These coordinates have meaning only in the localized sense, i.e. in juxtaposition to other papers in the same vicinity. In the global sense, this implies that the coordinates have no absolute meaning: all relationships are relative to a given data set. "Mountains" occur where there is a density of similarity: individual papers are displaced in the positive vertical axis (z in this instance).

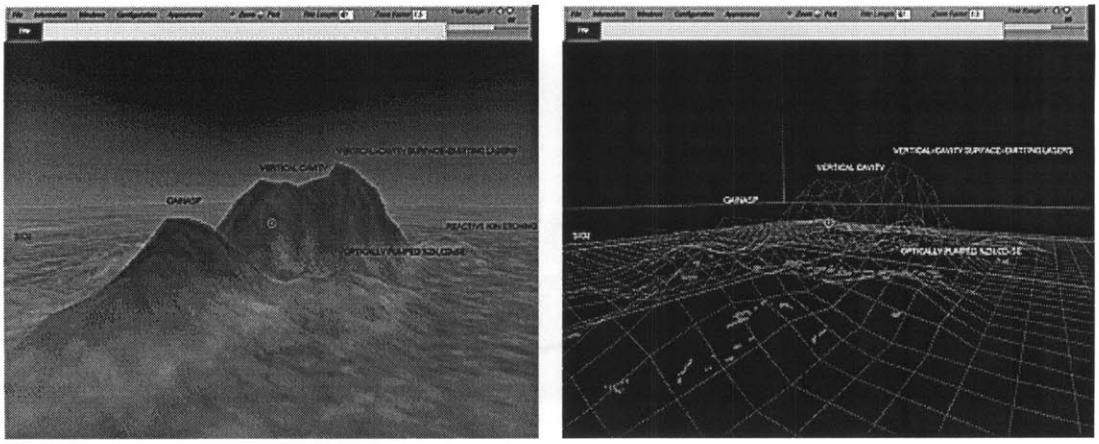


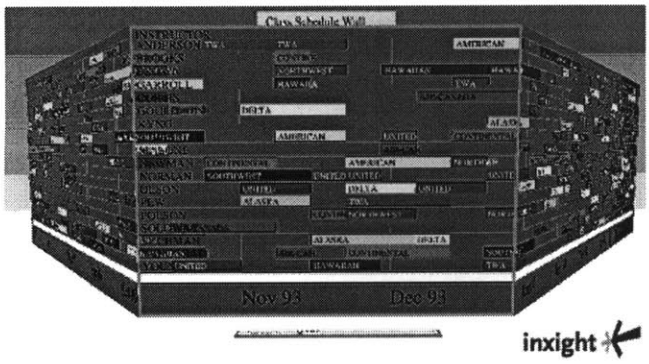
Fig.3-4: Navigating Science. Chuck Meyers and his team at Sandia Labs created this information landscape to represent a large-scale collection of scientific papers.

The Navigating Science project is still in the prototype phase. At this point it generates its visualizations from the manipulation of approximately 50,000 individual records: bibliographical documents provided by the Institute for Scientific Information. The project's stated goal is to increase this database to 3,000,000 records. Meyers states that the Navigating Science front-end visualization is fully integrated with the underlying database engine. This allows the user to formulate custom queries to manipulate the visualization. For example, users could choose to consider only a subset of the larger body of documents, records that fulfil a given search criterion. The system affords spatial and temporal navigation. As such, the user can "fly" about and through a particular snapshot of the environment, or dynamically deform the environment by filtering the database according to the date associated with individual records. In a sense, this suggests that the system is capable of animated queries, for the temporal filter can be considered to be nothing more than a simple query by field values.

Meyers suggests that their "technology provides an entirely new Data Mining technique. Exploration of new and existing data sets can be done in an easy and intuitive manner. This allows the user to visually "pick up" connections and relationships in the data that were buried within the flat, featureless, data archives of the past." It is their belief that presenting a

body of unfamiliar information in the guise of the familiar will aid the user in their attempts to extract salient information from that database. Certainly, there are common themes between our work and the Navigating Science initiative. For example, we are also interested in creating visualizations that leverage off the user's sense of the familiar. We are used to navigating terrain in the real world, so logic suggests that we would have an easy time navigating a representation of the real world, hence the attempt to create virtual islands, mountains and valleys. In our own experience, we have discovered several areas of ambiguity and potential difficulty with this approach. The simple distillation of the complications involved in the representational approach is that under current technology, any reproduction of real world objects in the digital realm can only be mere shadows of their physical counterparts. There is just not enough computational horsepower to generate a simulation of reality that is detailed enough even to lull the user into a suspension of disbelief. As a result, the information architect is doomed to failure: it is impossible to flesh out all the details. It is our belief that given this limitation an appropriate course of action involves the abstraction of the user's sense of expectation. It is not prudent to attempt the simulation of a real world object, but it does make sense to extract the essence of that object and implement those characteristics in a unique, digital manifestation. For example, a flower petal in the real world bruises if you handle it with too much force. This bruising results in discoloration and a deterioration of certain structural characteristics: the petal droops. A successful migration of this phenomenon to the digital realm would involve no petal, only the behavioral characteristics. Using this approach, designers do not set themselves up to disappoint the user. No one will expect to see that flower bloom because it wont look like a flower and yet when they "touch" the virtual object and it bruises they will be pleasantly surprised, greeted by the familiar in an unfamiliar domain.

The necessary abstraction of the real in information architecture is what prevents us from accepting the notion of an information landscape as the ultimate solution to the problem of data mining. This is why we balk at the colors and initial appearance of the Navigating Science environment. If the universe of scientific publication is to be represented as island with hills and valleys, why aren't there any waterfalls and rivers? Why aren't



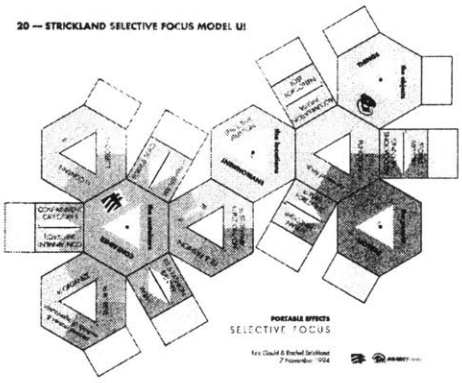


Fig.3-5: Two examples of shape-based information design. On the left, InXight's "Perspective Wall". On the right, Interval Corporation's Strickland/Gould "CubeOctahedron". Both systems use geometric juxtaposition to their advantage, establishing relationships between data through the position of categories and other organizing principles on the various surfaces of foundation geometry.

there any clouds? No animals? No people? The analogy quickly degenerates. Our answer is an increased level of abstraction in tandem with non-specific, i.e. displaced, mappings of familiar traits and characteristics.

3.2 Intel Research

Mr. John David Miller working for Intel in their Portland Oregon Architecture Laboratory has been developing a visualization project known as "Grand Canyon". The goal of this project is to visualize approximately forty year's worth of personal information in relation to the same period's worth of world news. In essence, the Grand Canyon project has the potential to provide the user with a contextualized history of their own life or of the life of someone they care about or are interested in. In its current manifestation, the Grand Canyon project juxtaposes news stories from LIFE magazine with a compilation of the major events in the designer's life. Grand Canyon organizes the information it comprises on a series of gridded planes within the three-dimensional environment. The planes are semitransparent and are mapped with the grid with a horizontal frequency of approximately 12 divisions and a vertical frequency of 10 on edge. Floating above the individual planes are rectangular planes texture-mapped with photographs specific to the time slice represented by a given

plane. Colored text also floats above a given plane with the headlines related to the pictures. In addition, pictures from the individual's life interweave among the other elements along with large text indicating the year that all this information ties into. As the gridded planes overlap, the user begins to get a sense of their transparency. Stacks of four or more planes viewed head-on give the impression of a cumulative opacity as the combined effect on the light cast into the scene is calculated. The planes are organized in a periodic manner, avoiding the problems of limited visibility inherent in a straight ordering. Thus, the foremost plane appears offset to the left of the user's viewpoint, the next closest plane to the right etc. to infinity. The planes are offset just enough to allow for a small amount of overlap which heightens the transparency effect, especially since the body of the geometry is set against an otherwise featureless black void. Early prototypes we observed also incorporated sound samples from the specific news stories or life events. The user navigates in the global sense by simply flying back and forth through the time line. During this navigation, the user experiences aural shifts of focus as certain items come into view and their associated sound is played. The effect is similar to walking down a hallway populated by a series of loudspeakers positioned at regular intervals. If the user becomes interested in a particular photo or body of text they can simply click on that item and the camera is brought to bear. The point of view shifts from the central browsing lie of sight and zooms in on a particular asset. When the user wishes to return to a position that allows for general browsing, the camera returns smoothly and proceeds with its progress along the central line.

We found in the Grand Canyon project an interesting contrast to our own

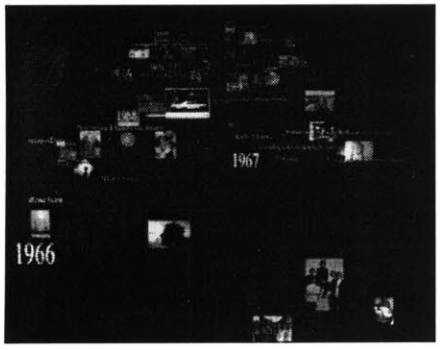
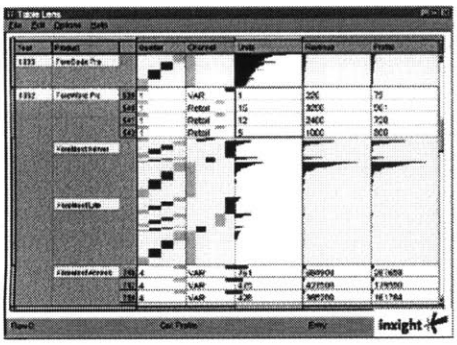
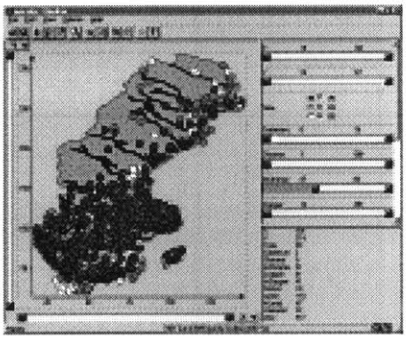


Fig.3-6: Grand Canyon by John David Miller. This project presents the user with 3-D view of an interactive timeline that spans forty years of world events juxtaposed with the happenings in an individual's life.





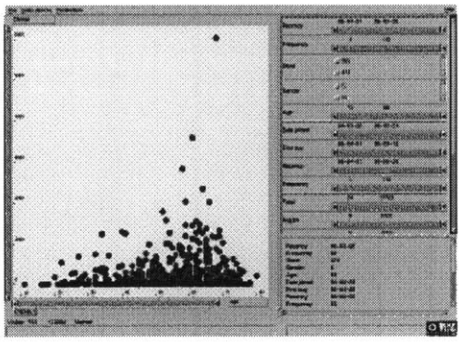


Fig.3-7: Clockwise from above: InXight's "Table Lens", two views of Spotfire's "Spotfire Pro 3" tool. These programs could be categorized as interactive spreadsheets. Tight integration between the underlying data sets and the visual/symbolic representation of that data enables the user to view up to 100 times the information they might using traditional spreadsheet representations. Spotfire embodies the Schneiderman mantra of "Overview first, zoom and filter, then details-on-demand".

efforts with Glom representations. Our work shares several of the challenges and limitations faced by Mr. Miller in the realization of his work. For example, both projects push the visual and computational limits for the sheer mass of text and geometry that can be displayed at any given time. Grand Canyon runs on a consumer-grade PC system powered by a Pentium Pro processor. The hardware configuration we use in the implementation of current GLOM systems is similar. Our working platform is a 300MHz Pentium II that includes identical 3D acceleration hardware to that employed by Miller. We take away at least two design lessons from the Grand Canyon project's use of gridded planes. The planes are extremely useful for giving the project a sense of place. This is a good thing. However, the form of the planes contributes little to the quality of the underlying data they help to organize. A ruler is striped with measurements that allow its owner to impose a standardized system of measure on an arbitrary object. Similarly, the planes in the Grand Canyon project serve to slice up the individual information assets of the system into uniform temporal divisions. In both cases the measuring device is a layer on top of the

underlying information; alone it demonstrates its autonomy from this data. If we were to remove all the contents of the environment other than the dividing planes, we would be left with only the measuring device. An alternative might be to integrate the measurement with the content itself. If the individual assets could somehow suggest their position along the axis they are associated with without the assistance of additional geometry, the user could avoid any unnecessary distraction. In one scenario, hue could be used to indicate magnitude as in a thermometer that progresses from blue to red as the temperature rises. In conjunction with an inobtrusive visual reminder, perhaps a line, to indicate the individual axes this approach might simplify the scene. This simplification could lead to fewer problems with occlusion and general crowding in a scene that incorporates more fully articulated metric geometry like the gridded planes.

3.3 Chernoff Faces

Certainly, the most anthropomorphic of the related works considered here are the Chernoff faces. The supposition that Chernoff makes in presenting his faces as a viable method of representing points in *k-dimensional* space graphically is that of all objects in our world we are perhaps most familiar with the human face. Even in the earliest stages of development as a baby, humans start to read other faces as a means to beginning to interact with something beyond or outside of themselves. Before we fully develop our facility of speech, we are able to discern a mother's smile from her frown. As such, Chernoff maps the various attributes of his simplistic faces to dimensions of the given data set. A sad face could mean that whatever data we are tracking has taken a turn for the worse. A smiling, welcoming visage denotes a favorable turn of events. If a given data set has multiple dimensions, then different aspects of the face can be individually manipulated to reflect trends in these further dimensions. A single eyebrow can be tilted, an eye closed to a given degree or a nose pinched to indicate disdain. Thus rendered, individual faces can be plotted in a simple x/y plot and considered both as a gestalt and as an individual in the crowd of faces.

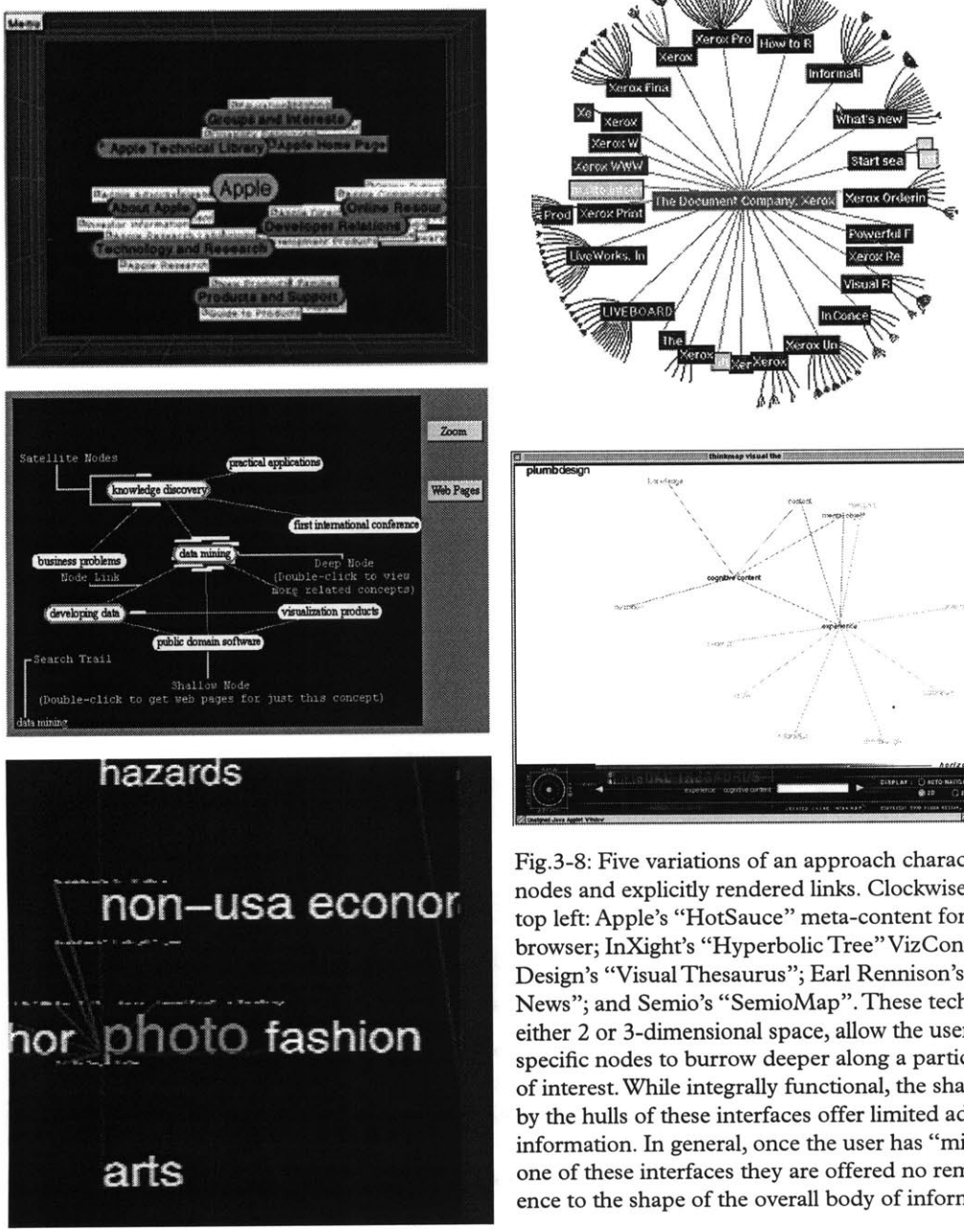


Fig.3-8: Five variations of an approach characterized by nodes and explicitly rendered links. Clockwise from the top left: Apple's "HotSauce" meta-content format web browser; InXight's "Hyperbolic Tree" VizControl; Plumb Design's "Visual Thesaurus"; Earl Rennison's "Galaxy of News"; and Semio's "SemioMap". These techniques in either 2 or 3-dimensional space, allow the user to click on specific nodes to burrow deeper along a particular vector of interest. While integrally functional, the shapes formed by the hulls of these interfaces offer limited additional information. In general, once the user has "mined" into one of these interfaces they are offered no reminder/reference to the shape of the overall body of information.

Chernoff's idea is unique among proposals we have come across in our survey of the field of information representation. In a way, Chernoff's ideas speak to the spirit of what we are trying to accomplish in the production of GLOM representations. In building a GLOM we hope to incorporate the essence of familiar behavioral characteristics from a variety of objects that can be found in the physical world. It is our hope that the use of these behaviors will both facilitate the user's ability to get acquainted with the navigation and understanding of a given GLOM system as well as encourage the user to develop a sense of expectation and familiarity with the unique GLOM object. It is in this last point that our approach differs definitively from Chernoff's proposals. Using a face to signify the performance of a given data point in a data set may allow the user to identify trends quickly, comparing one face to another within the context of a given plot. However, between plots there is no individuality of representation. This lack of uniqueness, in our opinion, limits the ability of the user to retain an impression of a given data set. This limitation is further exaggerated by the uniformity of the technique used to render a particular Chernoff face. In every example of a Chernoff face plot that we have encountered, the faces in an individual plot were rendered using an identical technique. Line thickness, color, and character was the same in every face. The plots give the impression of a random series of stills taken from a single animation sequence that have been subsequently scattered on the floor of the editing room. Given the simplicity of the rendering style, we also found it difficult to read the expressions on the faces. Again, the deliberate lack of differentiation in the rendering style got in the way. Perhaps this limitation is overcome through repeated exposure, but it seemed uncertain.

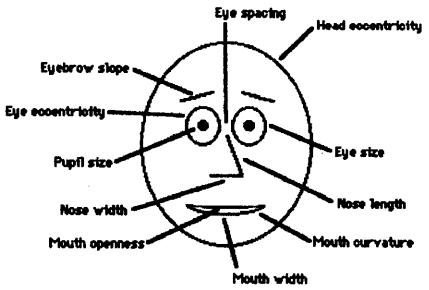


Fig.3-9: A Chernoff face. This technique was conceived to represent k-dimensional data sets. The human face is an extremely familiar construct. As such, we are able to read minute variations in nuance with ease.

4 *First Prototypes*

4.1 Gradus

4.1.1 Motivation and Scenario

Is there a way to make a meaningful shape from a collection of the individual words of the English language? What would that shape look like? Why would this approach be preferable to a traditional representation, i.e. a printed dictionary? These were among the questions we asked when we set out to visualize the English language as a single entity.

The first assumption we made in the search for a meaningful way to represent the English language as an expressive form was that our daily interaction with three-dimensional objects would give us leverage in establishing meaning through familiarity. We set out to create an object that would-through regular observation-begin to afford the same level of information about its state as do objects we interact with through the course of a normal day. For example, as you walk out your front door in the morning undoubtedly you encounter a shrub or a tree that is part of the landscaping of your environs. In that you consciously or unconsciously take a mental note of the appearance of that plant, you are building up a familiarity with it. This is a visceral familiarity. The plant becomes an ambient source of information. On the odd occasion that you do pause for a moment to take a more considered impression of the plant, the months of cursory examination come into play. Suddenly, you are able to discern the season

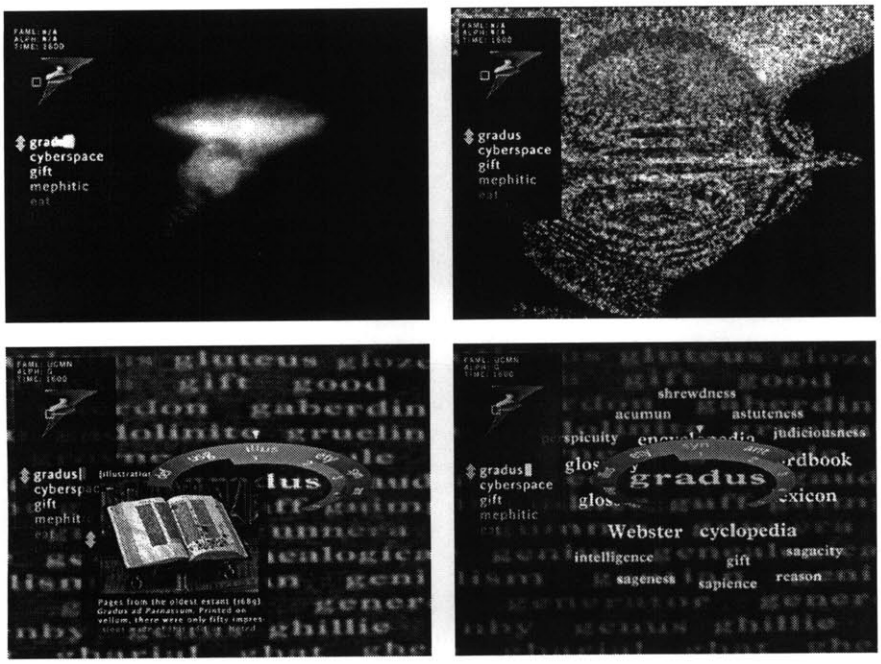


Fig.4-1: A sequence of stills from the Gradus project. From the top left turning clockwise: overview of the form indicating historical trends in the English language; zooming into the structure heading toward selected keyword; macroscopic view, user extracts an illustration and definition of the requested work; thesaurus mode, synonyms surround the initial word according to relative similarity.

by the color of the leaves or lack thereof. Droplets falling from branches can signal a recent bout of precipitation. Cracked bark or fungal growth signifies the presence of disease in the area that may extend beyond this single organism. As we began to think about how we might structure an object of this sort, our instincts suggested that this level of expression could only come from a form that exhibited a significant level of cohesion. This meant the data points would need to be packed. Plants grow or wither; if their forms were not cohesive to begin with, these transformations would be less apparent. Because we have seen a plant in its healthy state, we are able to compare and contrast its overall form to the shape we find it in when it is desperately in need of water or light.

The initial step in the process of developing the formal attributes of the object was the identification of salient ways to categorize our data (individual words). The intent of the project was to propose a system that would function primarily as a reference tool. Resultantly, the dimensions we chose were tailored both to enable the retrieval of a particular word and to facilitate the recognition of broad trends throughout the base of data. These trends, we decided, would be most salient if they were intrin-

sically related to the history of the development of the English language. To get a sense of that history, we turned as a reference to the Oxford English Dictionary (OED). (Fowler, 1990)

Presumably, we are all used to locating words in a dictionary by wading through the alphabetic ordering it presents us. Based largely on this familiarity and the resultant efficiency this familiarity affords, we chose alphabetic organization as our first axis of description. The remaining axes of description, or "descriptors", were chosen for their perceived ability to contribute to the overall expressiveness of the resultant form: word familiarity and temporal etymology. Determined on a word by word basis, the most likely methodology to be used in the measurement of the familiarity of a particular word would be based on the number of times that word appeared in a statistically significant corpus. (Zipf, 1945) Temporal etymology would be determined by the first recorded use of a word as provided by the definitive etymological dictionary: the OED. Once plotted along the axes, the polygonal representations of the words would be packed along their vectors to the origin. Additional expressiveness would be added to the resultant form through the assignment of color to a particular word based on the national origin of that word: for instance, words with a Germanic root would share a common hue.

The interface to this reference tool would allow the user to extract information specific to a particular word such as its definition, etymology or illustration (if appropriate). As well, one could use Gradus to browse synonyms and antonyms, replicating the essential functionality of a thesaurus. The form would be freely navigable. This would allow the user to browse a small area that would represent, for example, "words beginning with the letter *g* that came into the language during the Elizabethan period that are relatively unfamiliar to the modern English speaker."

The emergent form would be tornado-like: relatively few words at the tail of the object, i.e. the beginning of the language, and a burgeoning of words following the industrial revolution through the twentieth century. Even a quick glance at the shape of the object will give the user information about the history of the English language. If one were to explore the area around the bottom of the shape, they would discover words like *eat,*

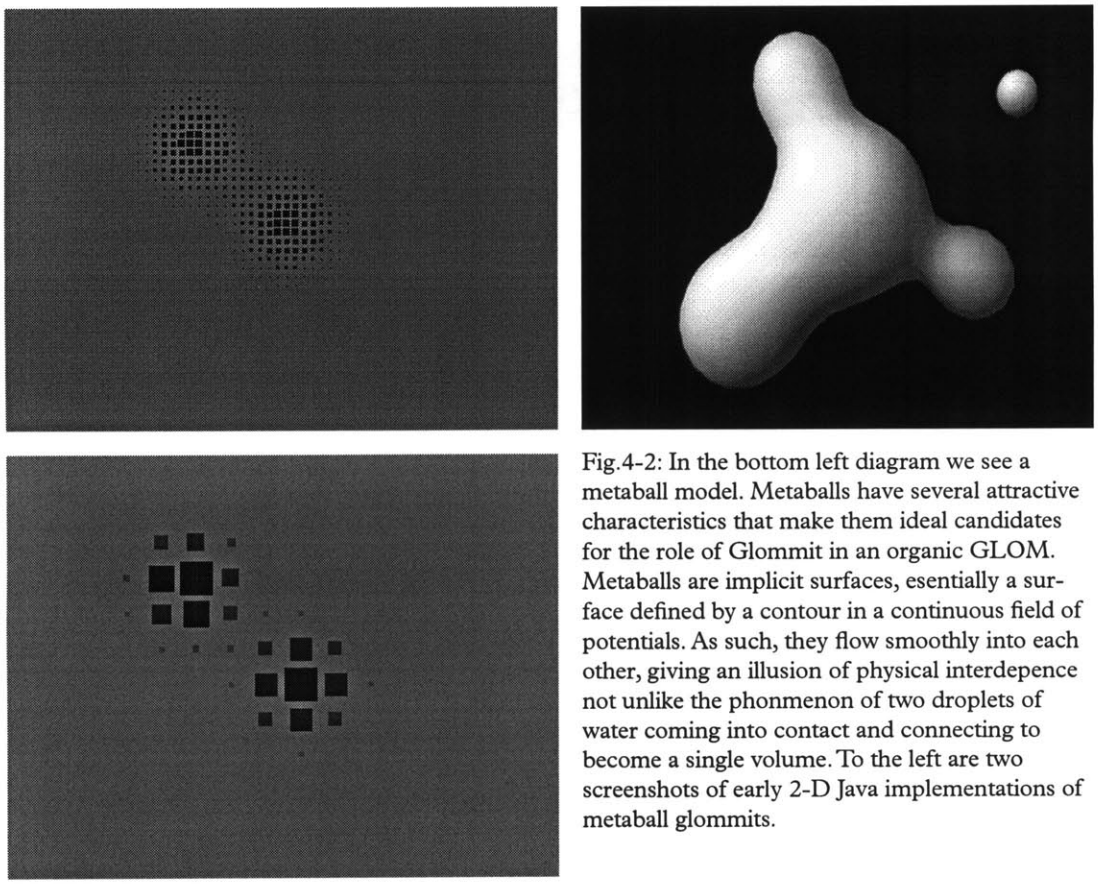


Fig.4-2: In the bottom left diagram we see a metaball model. Metaballs have several attractive characteristics that make them ideal candidates for the role of Glommit in an organic GLOM. Metaballs are implicit surfaces, esentially a surface defined by a contour in a continuous field of potentials. As such, they flow smoothly into each other, giving an illusion of physical interdepence not unlike the phonmenon of two droplets of water coming into contact and connecting to become a single volume. To the left are two screenshots of early 2-D Java implementations of metaball glommits.

drink, speak, work, house, door and *man.* These are all words with Germanic roots, attributed to the Anglo-Saxons who settled in Britain from the fifth century and eventually established several kingdoms together corresponding roughly to present-day England. As the user moved up the shape, it would gradually swell. The predominant hue of the form would shift accordingly, as the Danish and other Scandinavian invaders of the ninth and tenth centuries-collectively called the Vikings-demonstrated their influence on the language. On through the Norman Conquest beginning in 1066. "The arrival of the French-speaking Normans as a ruling nobility brought a transforming Romance influence on the language. The Romance languages (chiefly French, Italian, Spanish, Portuguese, and Romanian) have their roots in the spoken or *vulgar* Latin that continued in use until about AD 600. For two hundred years after the Norman Con-

quest, French (in its regional Norman form) was the language of the aristocracy, the lawcourts, and the Church hierarchy in England...During these years many French words were adopted into English."(Fowler, 1990) Beginning at the end of the Middle Ages and through the Renaissance, the culture and the history of the ancient Greek and Roman worlds were rediscovered and popularized. Through the fifteenth to the seventeenth centuries "scholarship flourished, and the language used by scholars and writers was Latin. During the Renaissance words such as *arena, dexterity, excision, genius, habitual, malignant, specimen,* and *stimulus* came into use in English." (Fowler, 1990) At this point, the structure of Gradus would swell dramatically only to taper off briefly during the time of the Industrial Revolution. The topmost portion of the structure would expand beyond even the limits of the Renaissance levels. Multicolored words from around the world entered the language, spurred on by the electronic revolution and the trend towards Internationalism we have experienced during the twentieth century.

Herein lies one of the major advantages of this approach over traditional means: unlike printed dictionaries, Gradus offers information about its content-in this case the history of the English language-through its form. Gradus, as an expressive, sculptural representation of the English language offers an efficient way to develop an understanding of the nature and the history of specific words and the language as a whole.

4.1.2 Implementation

Gradus was conceptualized on paper and in 3D modeling packages on the Macintosh such as Strata Studio Pro and Pixel Putty Pro. Test QuickTime movies were rendered out to validate or refute ideas presented as sketches on paper or in Adobe Photoshop. The final piece was created using Alias/Wavefront Power Animator software and Macromedia Director.

4.1.3 Design Lessons

Gradus has enjoyed a protracted period of popularity starting from its introduction in December 1995. Perhaps the most concrete manifestation of this popularity was its acceptance as a Design Sketch in the ACM's 1997 Siggraph Conference. Gradus was our first significant proposal for a new approach to thinking about and organic three-dimensional represen-

tation of multi-variate data sets. Nonetheless, it has also served as a constant reminder of the importance of implementing a proof-of-concept prototype. In addition, the discourse between those we have shown the project and us has helped us recognize the different characteristics of a proof-of-concept prototype can be expected to have by both designers and engineers. Gradus is a conceptual piece. At the time it was conceived, we did not have the resources or the skill-set required to implement Gradus as a real-time, interactive three-dimensional environment. In addition, we did not have access to the necessary data to complete the project. The Oxford English Dictionary, while online, is not available in the public domain. Corpora of headwords with and without definitions are readily available, as are various thesauri. However, we were not able to locate a source of etymological information as robust as that offered by the OED.

4.2 Munsell

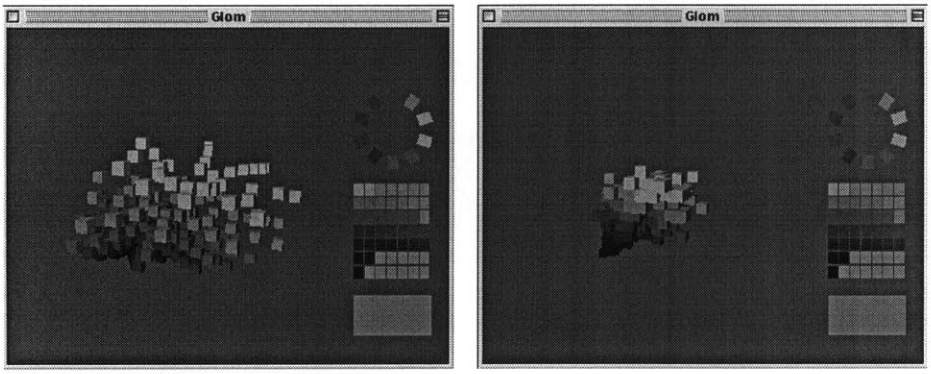


Fig.4-3: The Munsell Project. With this GLOM representation our intention was to re-think the traditional 2-dimensional color picker. A typical example can be found at the bottom right. This picker comes from the latest version of Adobe's Photoshop product, considered one of the most successful tools in its class. Our idea was to utilize the Munsell system of color organization–seen on the right half of the three images straddling this text–in conjunction with a 3-dimensional GLOM representation of the RGB cube. In these stills, a random sample of two hundred colors are selected and plotted according to their RGB coordinates. The true plot is shown in the top left image. The remaining two images demonstrate the advantage of glomming techniques in emphasizing the underlying trends in a data set. The pronounced "tail" indicates a tendancy to the black corner of the cube. This trend is not readily apparant in the true plot.

4.3 StockGLOM

4.3.1 Motivation and Scenario

Part of my responsibilities as an Interval Fellow for the academic year 1997-98 involved an extended working visit to Interval Corporation in Palo Alto California. While at the company, I was expected to complete a project appropriate to the duration of my tenure. I was also afforded the

privilege of being encouraged to explore the various research initiatives and other projects undertaken by the various staff members at Interval.

My stay was to last a total of three weeks. After an initial week of getting my bearings and familiarizing myself with many of the projects, I settled on my own project: a GLOM visualization of a mutual fund. Late in 1997, Andrew Lippman proposed to Jon Orwant the idea of tracking the progress of a chimera mutual fund comprised of the publicly traded sponsor companies of the MIT Media Laboratory. Orwant programmed a PERL server that would parse timely market data from pages Yahoo! served up for public access. I began to work on a Java applet that would visualize this market data.

4.3.2 Implementation

The StockGLOM project had two driving directives: 1. Reconsider the shape of the atomic unit in the visualization, 2. Develop the "seek and approach" behavioral model of the individual data units. Mid-fall 1997 I had been examining the book "Algorithms in C" by Robert Sedgewick. Sedgewick's chapter on Closest-Point Problems makes brief mention of

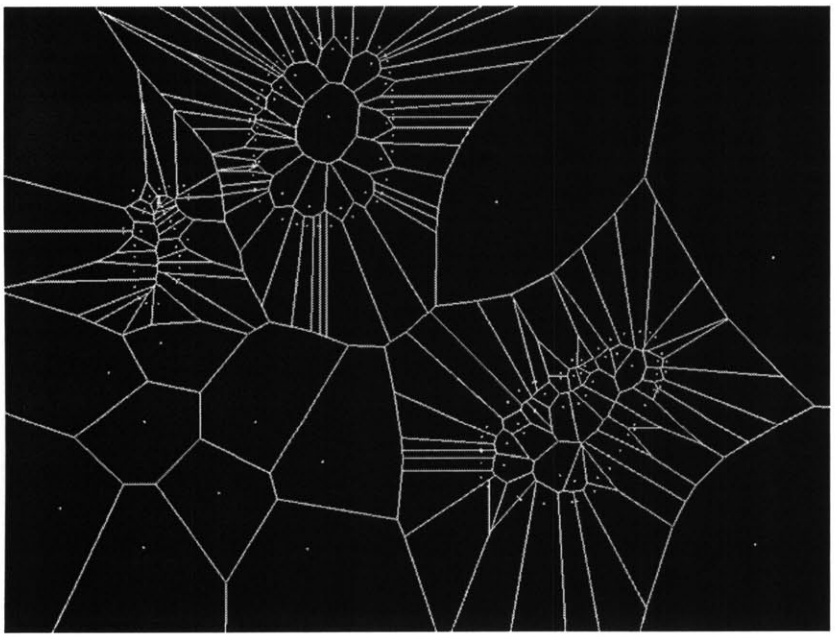


Fig.4-4: Scott Snibbe's *Bubble Harp*. We first encountered this project during our stay at Interval Research during the Spring of 1998. The Bubbleharp, a beautifully conceived interactive Voronoi diagram, served as an inspiration for the StockGLOM project.

the Voronoi diagram (also called the Dirichlet tessellation) and its dual the Delaunay triangulation. Sedgewick defines the Voronoi diagram thusly: "The set of all points closer to a given point in a point set than to all other points in the set is an interesting geometric structure called the Voronoi polygon for the point. The union of all the Voronoi polygons for a point set is called its Voronoi diagram. This is the ultimate in closest-point computations..." (Sedgewick, Algorithms in C) I shelved implementation for a later date.

For the final problem set in John Maeda's fall 1997 MAS962 "Digital Typography" class, Tom White presented a solution which used an implementation of the Voronoi diagram to visually distribute packets of communication from a reflector server. This implementation, while compelling, appeared to run at a frame-rate unacceptable for smooth animation. Then, at the beginning of my visit to Interval I saw a demonstration of the *Bubble Harp* project by Scott Snibbe and Golan Levin. Implemented on a Pentium-class PC, The *Bubble Harp* allows the user to interactively add and subtract points from a point set which is continually interpreted into a Voronoi diagram. Users can drag given Voronoi polygons through the two-dimensional plane in real-time to see the effects this movement has on the overall diagram. In line with Snibbe's long-standing interest in abstract animation, the system allows the user to assign animation characteristics to the individual polygons.

We were attracted to the Voronoi diagram as a means of dividing the design plane for at least two reasons. Firstly, in that this kind of triangulation appears naturally-in, for example, the natural separation of growing trees, the drying of mud, and varied rock formations-it has an easy, organic feel to it. Secondly, dividing a plane in this manner would allow us to pack individual data units in a dynamic and efficient manner. In the implementation of earlier GLOMS we had been limited to packing individual pieces of geometry according to a grid or, alternately, we had impacted the geometry which led to issues with occlusion and legibility.

However, as attractive as it is, the Voronoi diagram has certain characteristics that proved undesirable for the project at hand. Given a relatively sparse point set, the resultant Voronoi polygons are rather large. Even as

the number of points increases, the various polygons could not be described as uniform with respect to comparative size or shape. The individual sponsor companies, while unique, can be considered to be similar components-at least in the context of a mutual fund-and we strove to emphasize this similarity in the representation. Another apparent limitation of the Voronoi diagram was the existence of infinite rays at the edge of the plane upon which the points rested. These rays would serve to further differentiate the individual companies in an undesirable manner.

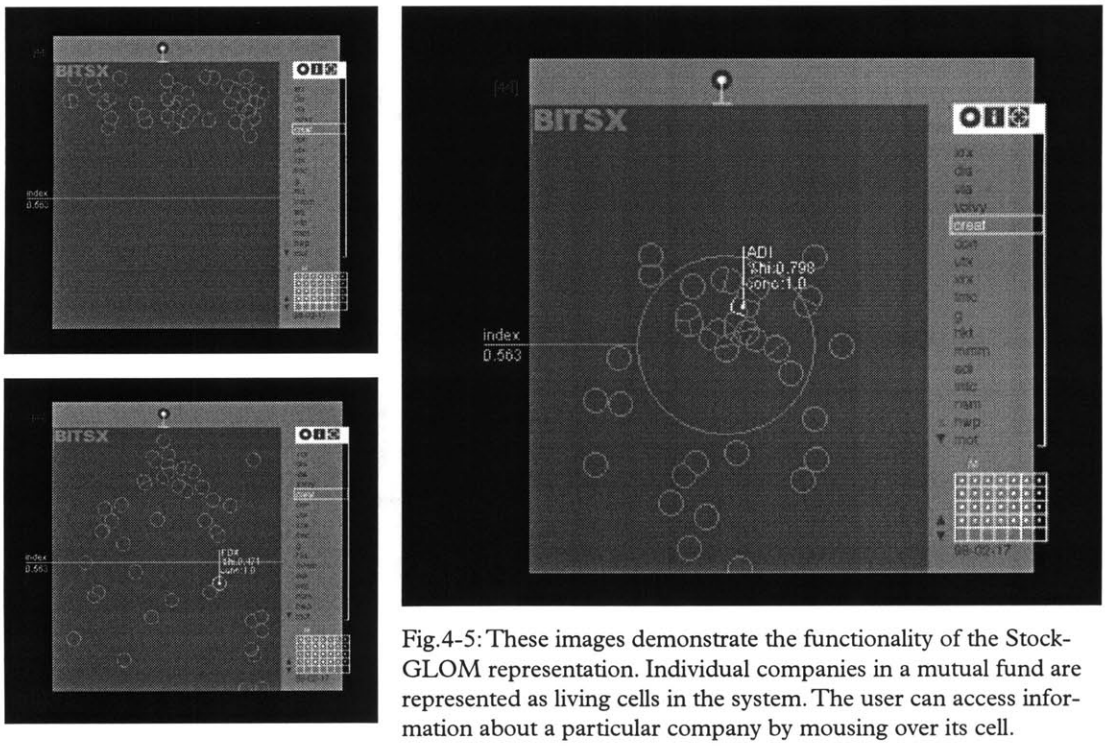


Fig.4-5: These images demonstrate the functionality of the Stock-GLOM representation. Individual companies in a mutual fund are represented as living cells in the system. The user can access information about a particular company by mousing over its cell.

The solution to circumventing these perceived limitations came through the realization that a Voronoi diagram could be interpreted as a collection of simple conic intersections. The Voronoi polygons could be identified through the intersections of a series of uniformly spreading cones of infinite height. These cones lie with their vertical axis orthogonal to the point plane and with their tip concurrent with it. The tip of these cones plays the role of the individual point in a given point set. By limiting the spread or maximum diameter of the base of the cone we produced what were in

effect clipped Voronoi diagrams. The resulting effect is more akin to intersection of bubbles or small cells.

Several standard algorithms were considered for the solution to this problem. Of these, the divide-and-conquer approach to solving the Closest Pair Problem (Bentley-Shamos 1976; Bentley 1980) and the sweeping plane solution proposed by Steven Fortune seemed to enjoy the most popularity. Due to time constraints, we implemented a naïve algorithm based purely on geometric intersections. The intention was to replace the algorithm if it could not produce animations of up to thirty frames a second with the expected data set of approximately fifty points. In the end our algorithm produced a frame rate of approximately 15fps on a Macintosh under MRJ 2.0 and over 30fps on a Pentium 200 class PC under IE 4.x.

The StockGLOM project contained several useful lessons. The primary lesson from all of our efforts to instill lifelike motion and dynamics in GLOM systems is that there is no such thing as a halfway commitment. As soon as you start down this path, you must deliver on all inherent expectations. For example, in the StockGLOM system individual glommits appear as circles. When these circles intersect they act as though they were two bubbles: they share a common border which is the perpendicular bisector of the line connecting their two midpoints. Many users have wondered about the meaning of two of these glommits colliding. Does this mean the two companies have merged? Was there a hostile takeover. In the current system there is no mapping for this action. The bottom line is, organic representations afford many "channels" that can be mapped. Your user will not forgive you if in your design you neglect to map these channels.

4.4 Chicago Tribune

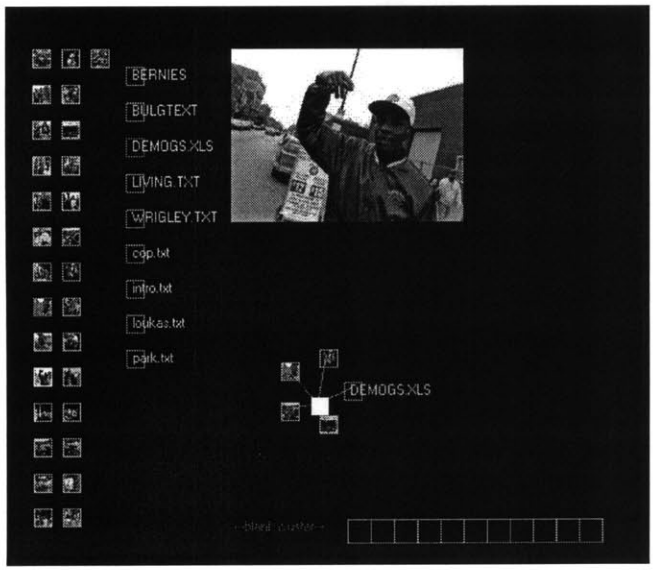


Fig.4-6: The Chicago Tribune Project.Media assests for a particular story or feature are represented as appropriate icons: text pieces are marked with a letter, photographs a thumbnail icon etc. This is a one-dimensional GLOM where the vertical axis represents an increasing level of relevance to a particular theme (indicated on the right). Individual layers of the GLOM represent integer steps on this scale of similarity. The top image is a still from the transitional phase as the GLOM reconfigures itself according to a user's request for a new thematic organization. Glommits are abstracted to squares for efficiency. The bottom pane shows the visual weighting tool developed by Chloe Chao for this project. Individual assets are grouped according to theme–note the star-like cluster–and ranked numerically according to a theme by rough placement on the graduated scale seen at the bottom right of the image.

5 BLITZ

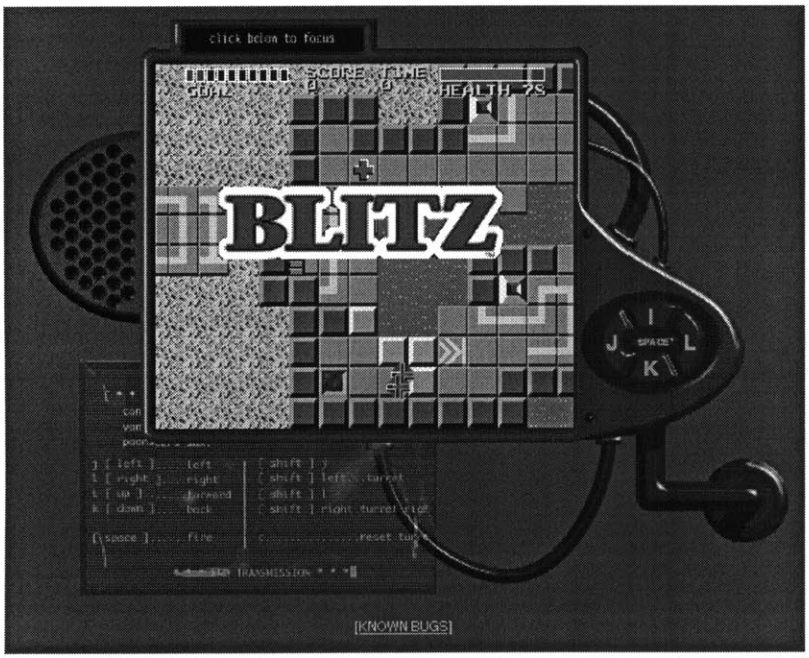
5.1 Introduction

How is it that a Java-based arcade game came to comprise a significant portion of this thesis? My passion is information visualization. As such, for the past several years I have found myself trying to figure out new ways to begin thinking about representing data in a compelling and efficient manner. When I first began to think about how I might structure my thesis my instinct was to first locate a set of data to work with.

This body of data would ideally satisfy several constraints. Firstly, it would be large. Increasingly, it has become apparent that my current approach to visualization is best suited to voluminous amounts of data. At this juncture, a fundamental quality of GLOMS is the deliberate distortion of the data to emphasize its peculiarities. This approach seems to be best supported by overwhelming amounts of raw data. As in any amplification, if the underlying signal is thin the product of that amplification is rarely palatable.

A second quality the ideal database would demonstrate would be variety. A uniform or predictable stream of data beyond being uninteresting not would be challenging. The ability of a GLOM system to emphasize or deemphasize the nuances of a database factors heavily into any assessment of the success of that implementation. Next, the data would come from a source that is constantly generating new data-points. One aspect of the

"information anxiety" that is common in contemporary society is the sense of feeling overwhelmed by the sheer volume and flow of the information we perceive we are required to maintain a mastery of. Which newspapers should I read? Which magazines? If I don't watch this or that television show will I somehow be out of the loop? Ultimately one either goes crazy and retreats entirely or perhaps they fall back into a comfort zone, considering only sources of information which are known quantities. Both approaches are censorious and ultimately limit the reader in their ability to consider an issue from a balanced position. Unfortunately, many contemporary online news services take a similar approach in their attempts to customize their product for the reader. Users are polled for their particular interests and the information stream is suitably reduced to meet those specifications. For example, a user may express an interest in local news, weather and computers. In this way a rich and varied news stream is reduced to a narrowcast which has the potential to reinforce previously held views and opinions. The editorial voice is compromised in this process, and an appreciation for the larger body of available information is scuttled. If a GLOM can maintain a sense of the whole while letting the user reach any level of specificity there is hope for both the



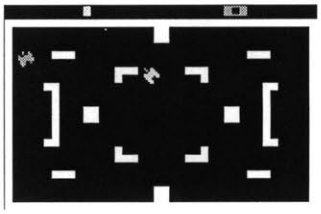


Fig.5-1: The web-based, Java game BLITZ as it appears online. Above, a screenshot from "Combat" the original game for the Atari 2600 system that inspired our work. BLITZ is conceived as generative source of data for GLOM systems currently under development. Data from every game play is collected and recorded in our databases.

editorial voice and the serendipitous discovery that architectural contexts-such as libraries-facilitate with such seeming ease.

Given these constraints, I set out to locate a suitable source of data. My initial instinct was to tie into a live feed of stock market information. Securities information is timely, voluminous and relevant. Many initiatives have been undertaken to visualize this type of information in new and increasingly efficient ways. These parallel efforts would allow me to contextualize and compare my results. Aspects of stock market data that are less desirable include the costliness of the most current and accurate information. Also, market data that is freely available, i.e. from public sources such as www.stockmaster.com or Yahoo! would involve extra, irrelevant effort to parse and the life-span of any such effort would be contingent on the arbitrary periodicity of site revision for a given source.

Other data sets I considered included the ever-changing catalogue of Nike shoes designs. Nike, as a sponsor company, sent two representatives in early spring 1997 to inspect the work of the members of the Aesthetics and Computation group. At that time I demonstrated my work which then included Gradus and the Munsell project. These two individuals, Hanmi Hubbard and Keith Burgess were members of Nike's Digital Media Group. In an effort to foster a relationship between ACG and Nike, Hub-

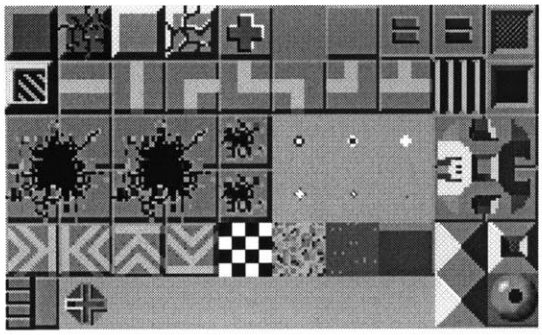
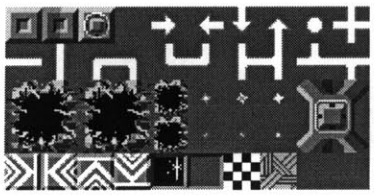
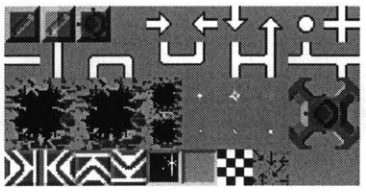
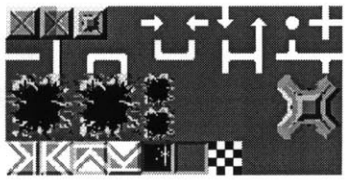


Fig.5-2: The set of tiled graphics used in the game BLITZ to represent each level and the bad guys who inhabit them. Below are samples of additional sets of graphics for higher levels developed by urop Jocelyn Lin.







bard and Burgess sent ACG a CD-ROM with over 600MB of shoe model data. This data included compressed photographs of every new shoe in the spring 1997 product line. This promising initiative was cut short when the process of information exchange was frozen: Nike postponed a planned trip to the Portland campus until an unspecified future date.

Electronic Data Systems Corporation-also a sponsor of the Media Lab-proposed yet another source of data for potential use in a GLOM system. As a company with a primary focus on the management of computer information systems, EDS took a particular interest in the possibilities inherent in GLOM representations. One of EDS' clients at the time was Blue Shield/Blue Cross. Our contact at EDS, Mr. Jim Young proposed that we might work in conjunction with Blue Shield to visualize one of their patient claims databases. Initial contact was made during the Spring 1997 Sponsor open house, but subsequent progress was put on hold as Blue Shield and EDS' local field office reconsidered the proposal through the summer of 1997.

A final source of data that was considered, was the web navigation database compiled by Alan Wexelblat and his associates in the Intelligent Agents group at the MIT Media Lab. Wexelblat's project "Footprints" is an initiative to track people's paths through web sites. In Wexelblat's words:

> Footprints is a system to help people browsing the web. You use our software and we give you additional information, based on the history of what people have done in the past. Ultimately, this can lead to the creation of communities of people with similar interests browsing the same information for similar purposes.
>
> This is not about selecting the "best" or "hot" pages. We assume you know where you want to go, but would benefit from knowing where people who came before you have gone. We try to augment what you're doing, without interfering. We try to help by providing promising directions to go and help understanding the context of where you are. (Wexelblat, 1998)

My involvement in this project would have centered on thinking about representing the path that people chose through various web sites. This data interested me on several levels. Firstly, although unequivocally objective on the surface-there is no contesting that person x from IP number y visited so-and-so pages at a particular time-the decision process behind that particular path is anything but objective. The fact that semi-anonymous people's progress was being tracked through a given web site and that inadvertently these people were helping to establish a sense of place and history in a virtual space was particularly compelling to me. As it turned out, we were able to incorporate many of these desirable traits in the final candidate source of information: the online game BLITZ.

Late in July 1997 I came to the point where I felt it necessary to make a final decision with respect to where the data that I would visualize was going to come from. At that time John Maeda suggested that he felt strongly that whatever the source turned out to be, that it was of paramount importance that the source be entirely of my conception and, as much as possible, under my control. At the time it seemed unclear to me why it should be considered so important that the data source be so much under my control. However, subsequent experience has revealed the wisdom of this direction to me; a topic I consider at length in the evaluation portion of this chapter.

Given this freedom, I began to consider how to generate data in a manner that would be fun and yet sophisticated enough to satisfy the requirements for an information source as I have outlined above. Since childhood, I have been fascinated by computer games in their myriad manifestations. My earliest experimentation with programming a computer was motivated by the desire to create a game. The first programmable computer I owned was a Commodore 64. My parents agreed to buy this computer for me on the condition that I learn how to touch type. To this end they covered the keys of the keyboard with stickers that obscured the letters imprinted on the key, thus (if I did not peek) I was presented with a completely undistinguished interface to the machine. I did not own a mouse, I am not even certain the Commodore 64 supported a mouse. As a result, I was motivated to learn how to touch type as quickly as possible. To help

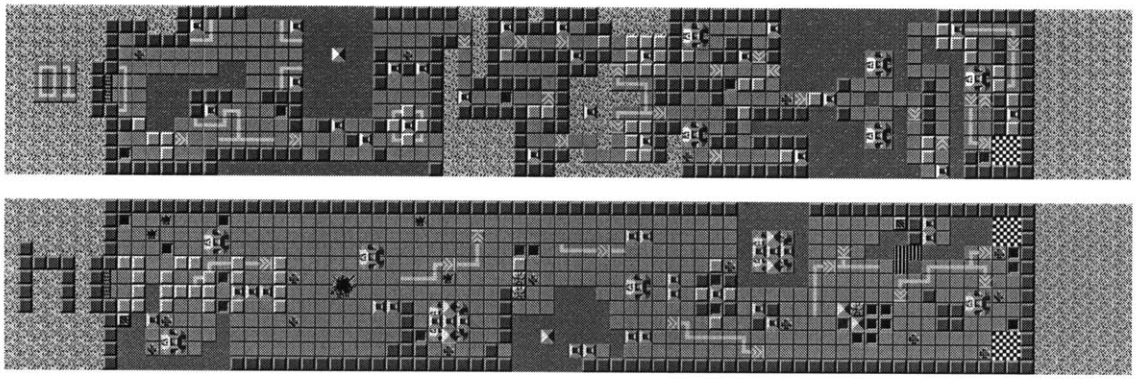


Fig.5-3: Two complete level designs for the game BLITZ. The top level "shipped" with the original posting of the game. The bottom level was designed by a player, Noah McNeil. An interview with Noah is presented in Appendix A.

myself achieve my goal, I decided to create a game that would facilitate the learning process. In the end I created "Letter War", a simple game where letters and numbers fell from the top of the screen, descending towards helpless "friendly" cities on the terrain at the bottom of the screen. If the letters reached the bottom of the screen, they would inflict damage on the cities and eventually when your cities were completely destroyed the game would end. The player could prevent damage to their cities by typing the falling letter or number before it traveled the length of the screen. It came as no surprise then in the summer of 1997 when I began to wonder if I could write a new game and use it as a source of data for visualization.

If I could write a game that was popular, many people would play it. Thus, the resultant database would be large, satisfying the first constraint that had been established concerning the nature of the data. People would play the game at largely unpredictable times and at a frequency I could not anticipate. As such, the incoming data stream would be varied fulfilling the second constraint. The final quality of the ideal source of data is that it constantly generates new information. Again, if the game were to become popular I could satisfy this constraint.

I began to consider issues of implementation. How would the game be delivered? What type of game would it be? What would the game play be like? I felt that rather than develop a game for a particular platform it would be to my advantage to attempt to create a program that could be executed on as many different types of machines as possible. I began to seriously consider using the Java language as a means to this end. Java's portability and increasingly popularity as well as the relative simplicity of implementing network-based applications/applets in this language factored into my decision to favor it as a serious candidate for use in this endeavor.

In the sections that follow, I describe the research phase of the development of this game as well as the implementation and reception it received. Inspirational forerunners and early prototypes are considered along with related projects, such as the level editor that was implemented to complement the game that was produced: BLITZ. The mechanics of the game are examined in detail with additional sections that outline problems encountered during the building phase of development.

5.2 Related Work and Meta-Design

The decision to use Java in the development of the game portion of this thesis meant that suddenly both the advantages and the limitations this language presented needed to be considered in detail. Java was conceived as a multi-platform product with extended networking capabilities: these characteristics were among those that contributed the most to my decision to use Java. However, Java is an interpreted language. Even with the most up-to-date JIT compilers, Java cannot approach the performance of native binaries in particular areas, among them graphics.[1] Challenged in this way, I decided to look to for inspiration in successful games that had been created under similar constraints. This process is presented in detail in subsequent sections dedicated to particular implementations, i.e. GLOP and BLITZ.

Before we considered specific issues related to implementation, a significant amount of thought went into what the game play characteristics of our ideal game would be. Midsummer 1997, we organized a series of dinner discussion sessions where we brought together various groups of dedi-

cated game players to help with the identification of particularly desirable game characteristics. At that time Nintendo had only recently introduced its 64-bit gaming system: the Nintendo 64. For the period between March and June 1997 the members of this impromptu gaming committee had been dedicated fans of a particular cartridge game called "Mario Kart 64". Mario Kart 64 or "Kart" was engaging for several reasons, and by identifying these qualities we hoped to be able to consolidate several or all of them in the game we planned to create.

Kart was a legacy title. Originally it had been released as "Super Mario Kart" on Nintendo's 16-bit gaming system the Super Nintendo. Super Mario Kart had enjoyed enormous success on this now outdated system which was encouraging because it suggested that the secret to Kart's success did not hinge on workstation quality full-motion graphics and cinematic sound as much as it did on the essence of the game play. This was a quality that could ostensibly be abstracted and if it proved to be scalable, could be implemented at any level. At heart, Kart is a racing game. One to four players can play simultaneously, racing on a single track. The simple goal is to reach the finish line first in the shortest time possible. The game is complicated by the fact that all players have the ability to affect/impede the progress of the other players. As a result, Kart can become intensely competitive. As you drive around a particular track you are presented with the opportunity to collect any number of "power-ups". These run the gamut from offensive weapons that the player can use to directly affect

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1. It is interesting to note that with the introduction of the Java 3D API it appears even this limitation may become less of a concern. "JavaSoft will release implementations of Java 3D for JavaOS, MacOS, UNIX, and Windows. The initial reference implementations of the Java 3D API will be layered on top of existing lower-level immediate-mode 3D rendering API's, specifically OpenGL, Direct3D, and QuickDraw3D. The initial Java 3D implementations will be written mostly in Java but will also take advantage of native methods. We expect the initial Java 3D implementations to perform quite well because they will use existing, accelerated, low-level graphics API's such as Direct3D, OpenGL, and Quickdraw3D." (Deering, 1998)

On Windows platforms, Java 2D uses the DirectDraw library, ddraw.dll, if available... If ddraw.dll is not available, Java 2D will use GDI calls, but using Direct Draw will boost performance.

their compatriots, to performance enhancers that increase a player's ability to move through the pack towards the goal. The best times for a particular track are recorded for posterity and are viewable on demand by any player.

The pace of the action is hectic and when a player is competing against other humans of course no two games are alike. In addition, the nature of the tracks is mutable. For instance, a player can rarely expect to find the same power-ups in the same place twice. The nature of the power-ups awarded a particular player is affected by that player's current position and ranking in any given game. Thus, the leader of the pack is usually awarded the more benign of the power-ups, while those at the back of the pack can expect to pick up more powerful awards. In this way, the game attempts to level the playing field in a dynamic manner.

From Mario Kart 64 we identified several desirable characteristics of the

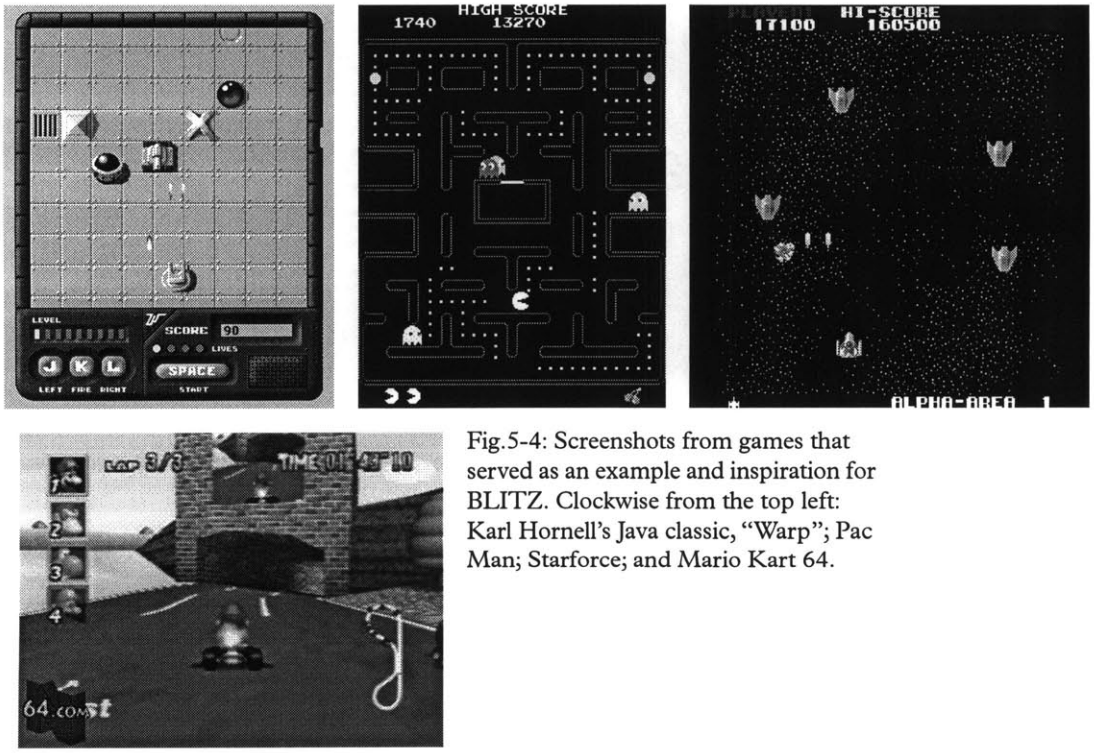


Fig.5-4: Screenshots from games that served as an example and inspiration for BLITZ. Clockwise from the top left: Karl Hornell's Java classic, "Warp"; Pac Man; Starforce; and Mario Kart 64.

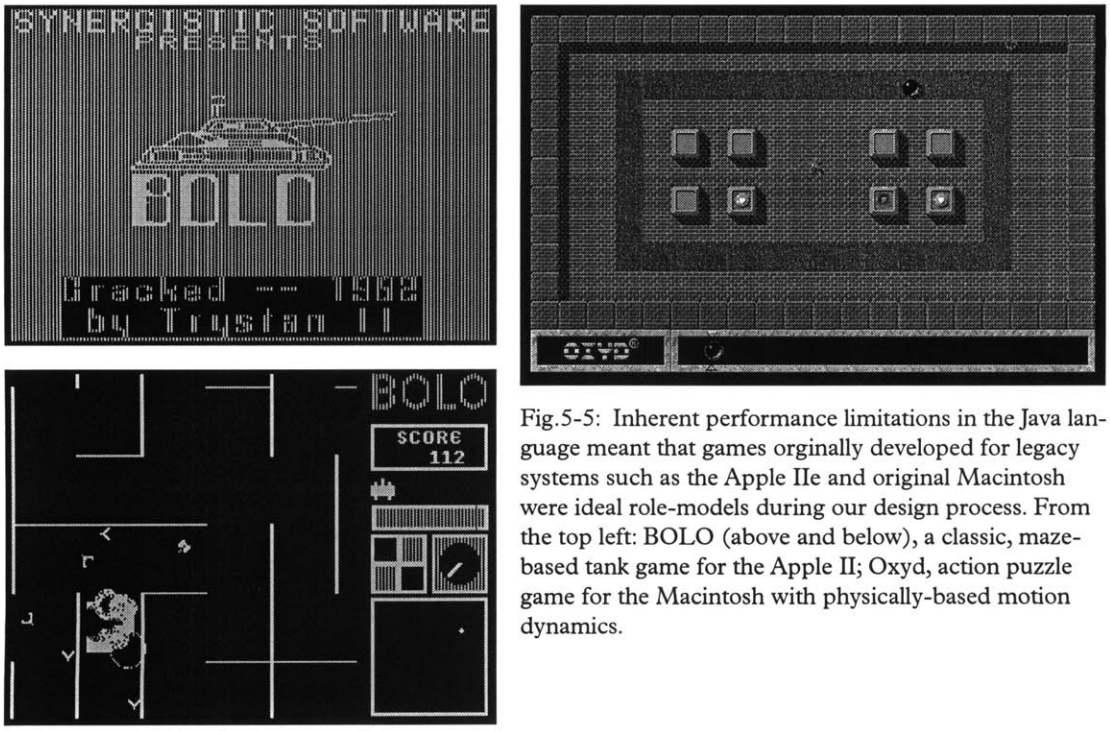


Fig.5-5: Inherent performance limitations in the Java language meant that games orginally developed for legacy systems such as the Apple IIe and original Macintosh were ideal role-models during our design process. From the top left: BOLO (above and below), a classic, maze-based tank game for the Apple II; Oxyd, action puzzle game for the Macintosh with physically-based motion dynamics.

game we aimed to create. First and foremost was the ability to play against another person in some manner. In Kart this meant real-time interaction. Although challenging, this type of interaction would not be impossible to implement on a web-based action game, but the nature of this interaction would require careful consideration. (N.B. These individual characteristics are identified here and considered in context in the subsequent sections that are dedicated to the two implementations of the final game: GLOP and BLITZ.)The racing format also was identified as desirable. The fact that Kart was a three-dimensional simulation was not as interesting to us as was the compelling nature of the racing experience: this we hoped to implement in our own game. Kart also served to cement our belief that when it came to crafting an impressive game it was not necessarily the shaded, sorted, clipped polygons-per-second that counted so much as it was an eye for detail. The recoiling motion a player's car performed when struck from the side by another player vehicle or weapon, or the cute but ominous "squeak" the animated driver would emit/emote

when it was near to death. It was unique details like these that we challenged ourselves to create for our own game.

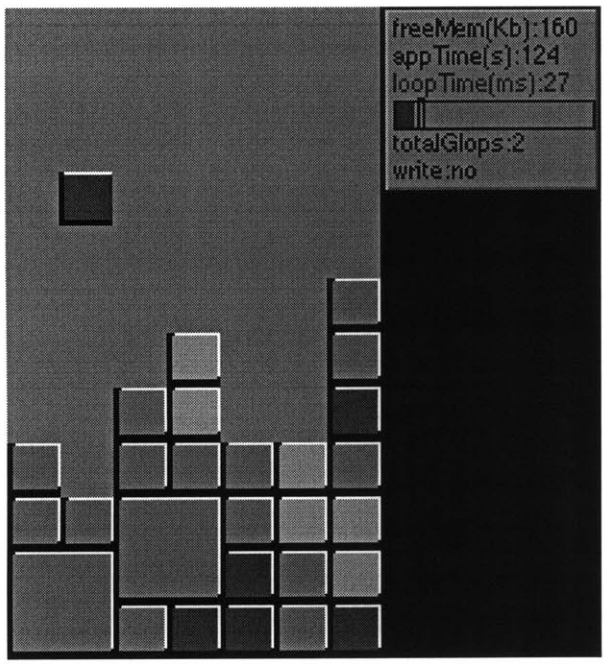
Emulating the success of a game like Kart seemed somewhat ambitious considering the technical limitations the Java language presented. As such, we looked for other relevant inspiration in different computational realms. One area that seemed particularly appropriate was the arcade games of the 1980's. As of 1998, there is a trend towards preserving the hardware of yesteryear through complete emulation. As the actual chipsets and their ROM's go the way of the dinosaur, they live on in software emulation on the newer, faster hardware that relentlessly replaces its predecessors. Currently, there is a piece of software available known as MAME: Multi Arcade Machine Emulator. This project is counted among the many non-profit initiatives that have been springing up around the world that exist only, it seems, to better our communal lot. An incredible initiative, the MAME project[2] to date supports emulation of no fewer than 500 discreet games. These games were written to run on dedicated hardware such as the Motorola 68000 chip (Motorola's first 16-bit 2MIP chip introduced in 1979). For certain tasks, an interpreted language like Java running on "older" (i.e. Pentium 90 class) hardware exhibits performance characteristics similar to these legacy chips. This characteristic in conjunction with the fact that these early games are justifiably approaching archetypal significance in their field reinforced the importance of considering these games. Through MAME we were able once again to play many of the games we grew up on in an attempt to evaluate their relevance to the game we were beginning to write.

2.3 MAME is strictly a no profit project. Its main purpose is to be a reference to the inner workings of the emulated arcade machines. This is done for educational purposes and to preserve many historical games from the oblivion they would sink into when the hardware they run on will stop working. Of course to preserve the games you must also be able to actually play them; you can see that as a nice side effect.

It is not our intention to infringe any copyrights or patents pending on the original games. All of the source code is either our own or freely available. To work, the emulator requires ROM's of the original arcade machines, which must be provided by the user. No portion of the code of the original ROM's is included in the executable. (Buffoni, 1998)

In the end, at least three games stood out from the crowd: Pac Man, Starforce and Xevious. Pac Man was most interesting not for the nuances of its game play but for the font it employed. Although there were many different typefaces developed for the 68000-class gaming machines, none proved as popular or as prevalent as the font used in the classic Pac Man game and its relatives. To our knowledge these typefaces were never collected or distributed by a central foundry, rather they were developed piecemeal through successive generations of games. As such, the Pac Man font cannot be presented as the standard typeface as much as it can be considered a fine example of its category. We felt that using this particular typeface would accomplish at least two goals. Firstly, the Pac Man face would be a welcome relief from the fonts that are usually used by Java programmers such as Arial/Helvetica and Times Roman. Programmers default to these fonts because they are readily available and require no additional coding. Although in their conception fine typefaces, beginning with the Macintosh in 1984 -which gave the world its first widely-available WYSIWYG interface-fonts like Helvetica and Times have suffered the double abuse of misuse and overuse. Implementing the Pac Man font would distance us from that predictability while also paying homage to the great games of the 80's.

5.3 First Prototypes: GLOP



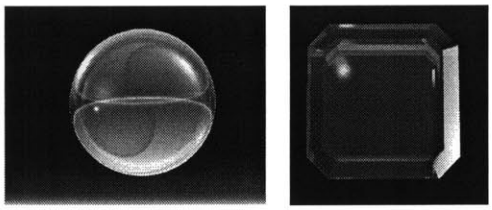
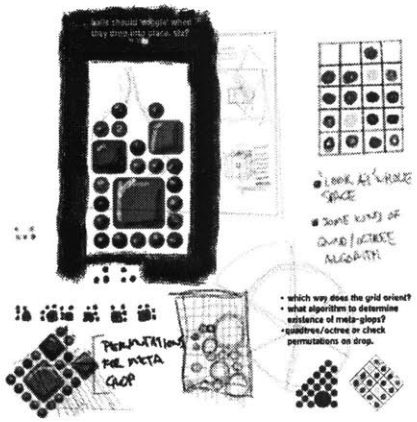
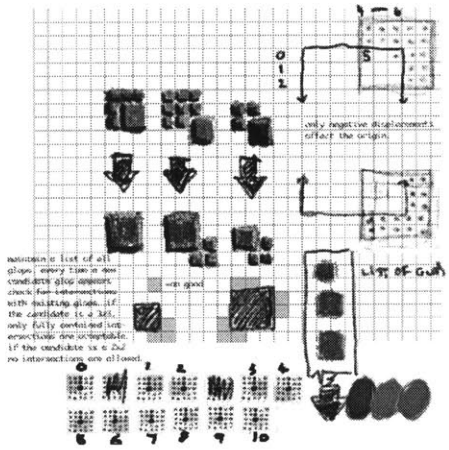


Fig.5-6: Screenshot and preliminary sketches for GLOP, a prototype game for the BLITZ game system. At this point we considered producing a Tetris-like game where players played against each other over network protocols. Above two gems were modelled in 3-D rendering packages on SGI and Macintosh platforms to be used as falling game pieces in GLOP.





5.4 Implementation

5.4.1 Strategy

The name of the game, BLITZ, is misleading when it comes to considering a strategy for advancing through existing levels. This disparity is by design. If the player adopts an approach characterized by a headlong rush against the enemy, cannon blasting their efforts will almost without fail be met with overwhelming force resulting in a failure to complete the mission. In the first level, this approach will more often than not result in total destruction of the player's tank at a point within the range of 0.2-0.4 percent towards the end of the level. During the second phase of deployment, which commenced approximately one week after the initial posting of BLITZ to glom.net, we began collecting information concerning how far players were penetrating the levels they attempted to complete. Interestingly, the *blitzkrieg* style of attack seems to be the strategy adopted by newcomer players of BLITZ. Statistics tabulated from the master database in the appendices of this document corroborate this phenomenon.

At least in the existing levels, the strategy that will get a player the farthest is one of conservative guerilla warfare. Although the player's tank is resilient, and health medical cells to augment a player's health rating are readily available the enemy possesses superior firepower and numbers. Resultantly, the player is well advised to follow a strategy of "hide, seek, destroy". The bunkers and bosses have a sighting range that is somewhat shorter than the range of the player's tank. By remaining just outside this sighting range, a player can pick off the enemy without being fired upon. The trick is in finding the optimal cell from which to commence firing. The level has been designed in such a way as to provide these "staging" cells for the player. What is required is a cool head under fire. As Noah McNeil so eloquently put it in his interview, "My strategy is don't destroy what you don't have to."[3] This approach will prevent unnecessary damage from being inflicted by bunkers or bosses. In addition, in several locations autonomous Baddies are enclosed by retaining walls. Granted, these Baddies can shoot at the player through the green Destructo-Walls that are transparent to their fire. However, if the player keeps their distance they

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3. Please refer to Appendix A for a full transcript of the interview with Noah McNeil.

will not be sighted and therefore not fired at. In most cases, if the player destroys the retaining wall that hold the Baddies back, they will be engaged under undesirable circumstances where the outcome is heavily weighted in the enemy's favor.

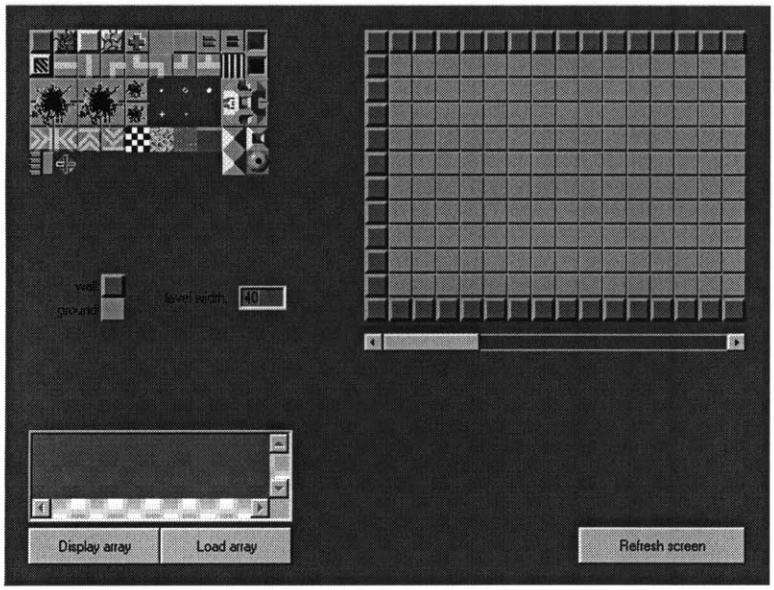


Fig.5-7: Level editor designed and programmed by Melissa Hao. This editor is publicly posted and allows any player of BLITZ to design and submit a level for inclusion in future versions of BLITZ.

5.5 Level Editor/Level Graphics

BLITZ was not produced in a vacuum. During the IAP 1998 I worked with Undergraduate Research Opportunity (UROP) participants Melissa Hao and Jocelyn C. Lin to extend the effective functionality and extensibility of the game. In terms of the hardware infrastructure, immediately prior to the Christmas holiday I worked with Melissa Hao to lay the groundwork for the entire project. At that time the domain www.glom.net had just been secured and we began hosting it from a Pentium Pro 200 (glum.media.mit.edu). With the assistance of NECSYS (specifically Jon Ferguson and Will Glesnes) and ACG member Richard W. DeVaul I installed Red Hat Linux v5.0 on the Pentium and began serving up the BLITZ-related pages. We wanted to be able to easily track access and traffic through the site, so Melissa began work on setting up server side includes (SSI) for our Apache web server. After completing that task she wrote a CGI script to nicely format the hit information for the various pages of the site. At this point the group decided that the Pentium we had

been working on was too valuable a resource to dedicate entirely to the glom.net domain and requested that it be wiped and reclaimed as a communal machine running the Windows NT operating system. The same machine that hosts the acg.media.mit.edu site would subsequently host Glom.net: buzz.media.mit.edu. Buzz is a DEC Alpha running Digital's version of the UNIX operating system. ACG member Tom White assisted in the transfer. This turned out to be an advantageous switch in the long run. We gained experience with system administrator duties on the Linux box before it was wiped which gave us a better appreciation of the lower level intricacies of hosting and serving up a web domain. After glom.net was transferred to buzz.media.mit.edu we experienced a marked increase in stability over the Linux system which had been required system shutdowns and reboots for various reasons at a minimum two times a week. We also gained the advantage of being included in the lab-wide file system daily backup which took us a long way towards guaranteeing the integrity of the BLITZ database, the game code and that of the database server and their related HTML pages.

After the Christmas break, beginning January 5th Melissa began to learn how to program in Java with the long-term goal of creating a level editor for BLITZ. After producing a suite of entry-level applets, Melissa began her work on the level editor in earnest. We had decided on implementing the level editor in Java for at least two reasons. Firstly, writing an applet meant that we could embed the level editor on a web page which would allow us easy access wherever we were when we sat down to design a level. As well, we hoped that the purported platform-independent characteristics of Java would result in the greater longevity of the editor. Finally, delivering the editor on a web page meant that, like the game BLITZ, it could be accessed by anyone around the world who was interested enough in BLITZ to want to help in the effort to extend its functionality by designing a level for others to play.

The underlying design of the editor as it was eventually produced, is simple yet effective. The majority of the graphics for BLITZ reside in a single CompuServe GIF file. This modular design allows us to modify easily the entire look and feel of a given level by simply switching out this particular file with a new one that contains the alternate graphics. This single file

also increases the efficiency of the process of loading BLITZ. At this time, there is limited support for ZIP or JAR files in browsers. As such, at run time the individual resources that go into making an applet such as class files, sounds or graphics all require separate HTML requests. Fewer calls lead to a speedier load.

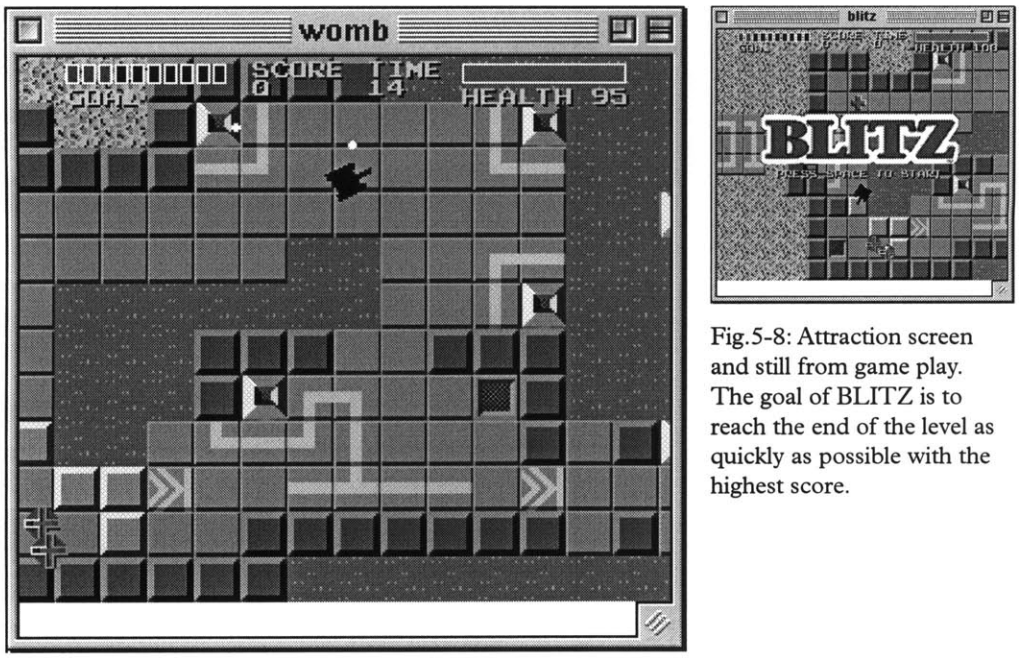


Fig.5-8: Attraction screen and still from game play. The goal of BLITZ is to reach the end of the level as quickly as possible with the highest score.

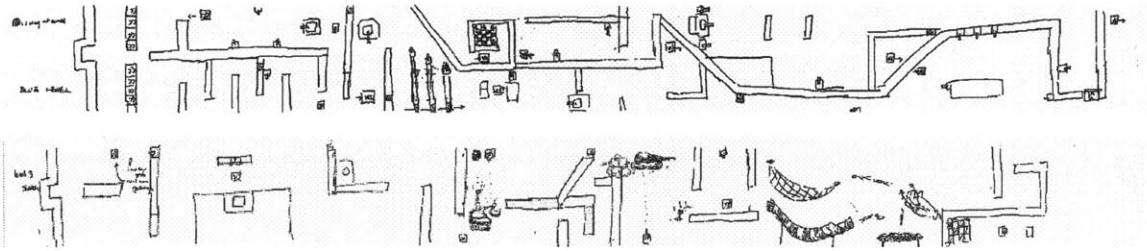
Melissa's level editor by default loads in the GIF file associated with the first level of BLITZ, but it does include a feature which will allow you to specify a path to an arbitrary GIF. This enables the designer to design any number of custom levels. The interface itself is straightforward and does not require a significant amount of effort or time to learn. As you can see in Figure 5-7, the applet canvas is broken down into four major areas. The first area is dedicated to the specification of the overall features of the level. A text field titled "level width" prompts the user to specify the number of columns that make up the sideways dimension of the level. N.B. all levels are twelve rows high. The scrolling motion of the level does not extend in the vertical dimension which accounts for this constraint. The code, however, does not restrict in any way the width dimension of a particular level. Immediately to the left of the width specification text field are

two small windows which allow the user to set which tile will be used as default for the ground and for the wall. These default to tile 6 for the ground and 0 for the wall (Indestructo wall).

The top left corner of the canvas displays the cell graphics. The user selects a given cell by positioning the mouse over that cell and clicking once. A light red outline surrounds the cell, indicating the selected state. Once a cell has been selected, the user can begin to design a level by "painting" in the large preview window that fills the upper right quadrant of the canvas. The preview window straddles a scroll bar that allows the user to access any part of the level they are creating. By positioning the mouse over a target cell in the preview window the user can specify the final appearance of that cell with a single click. When the level is ready for testing, the two button widgets and text area residing in the bottom left quadrant of the preview window come into play. The leftmost button labeled "display array" instantaneously converts the graphical representation of the level that appears in the preview window into an integer array that fills the text area straddling the two buttons. The integers that comprise this array are simply the cell number from the original level graphics file. This array is used in the BLITZ Java code to represent the level during game play. The second button, labeled "load array" allows the user to load a previously designed level into the preview window. This action is achieved by pasting the properly formatted existing one-dimensional integer array into the text window and subsequently pressing the "load array" button.

At the time of this writing, this is the extent of the functionality of the level editor. Future improvements planned for the editor can be separated into two categories: interface design and underlying feature set augmentation. While functional, the overall appearance of the interface could be improved. The general experience of interaction could be greatly enhanced by replacing the standard Java widgets with ones of our own design. One proposal calls for replacing the widgets with a single offscreen buffer that draws its pixels from a graphics resource file. This arrangement, closer to the model championed by score-driven software like Macromedia's "Director" suite of software, would allow periodic updates. This update process could be accomplished by the simple manipulation of a

Fig.5-9: Two levels designed by hand by urop Jocelyn Lin during the early developmental stages for the game BLITZ.



single GIF or JPEG file in a 2D graphics editor like Adobe's Photoshop. Events such as mouse clicks would be handled and mapped to an internal representation of a rectangular "hot spot" portrayal of the interface. In addition, we would like to implement the ability to test out a level that is currently under design. Instead of simply outputting an integer array for inclusion in the BLITZ code, the level editor could incorporate a modified version of the BLITZ game. Thus, as a user designed a level they could test out their design by actually playing the unfinished level. This refinement would greatly simplify the current design/implementation pipeline that involves pasting the newly generated integer array into the BLITZ code followed by a fresh recompilation of the BLITZ code. This model could write to a file or-in order to circumvent Java's security restrictions-could register the level in progress with a level server. This server could communicate with the level editor using standard network protocols in order to maintain a dynamic record of all possible levels. The server, running as an application on the domain server, could write a file on the server's filesystem. This would allow us to tag a level as a WIP (work in progress) or F (finalized). Given this designation and a unique level ID, the level server could serve double duty: concurrently servicing the level editor and the BLITZ code. As new levels came online, BLITZ could list them along with information about the designer. In this way players could select which level they wanted to play at the start of their game.

Working with Jocelyn Lin, we developed preliminary design for three levels along with accompanying graphics files. Jocelyn's charge was to create

three unique sets of tiles, based loosely on the original set, for inclusion in the more advanced levels of BLITZ. The final product can be observed in figure 5-2. What is not so apparent in this black-and-white reproduction is the shift in color palette that Jocelyn applied to each set of tiles. Through her designs, Lin proposed a significant re-design of the wall elements, the one-cell bunker and the four-cell boss bunker. The ground and terrain cells she created tile, creating an overall patterned impression to any continuous stretch of unobstructed flooring. Lin's schematics for higher level designs are visible in figure 5-9. Originally sketched out on long, accordion-like pieces of paper, these level designs are distinct from our own and promise to add a welcome variety to BLITZ when they are incorporated.

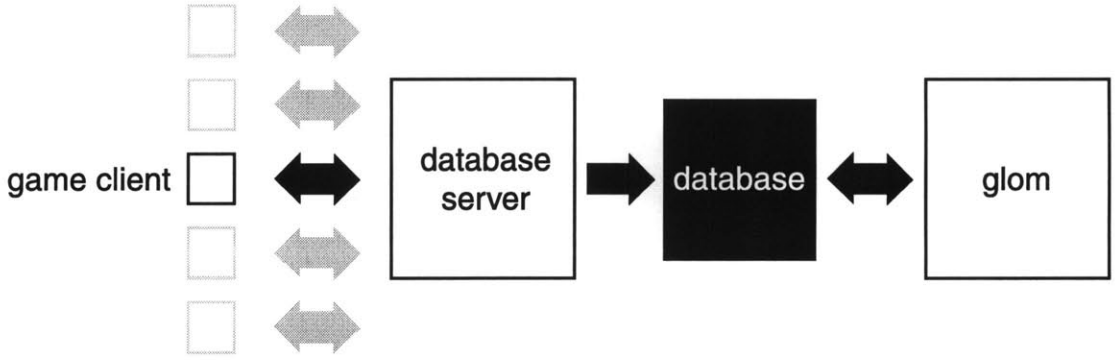


Fig.5-10: Schematic of the BLITZ system and its relationship to the database and BLITZGLOM layers. An unlimited number of clients load the BLITZ game (Java) from our web servers. These game clients broadcast their scoring information to our database server (Java) which reflects all it receives to the database (Visual Basic) where it is parsed and recorded. The GLOM system (Visual Basic)then queries the database in order to gather the information it needs to build its visualization.

6 GLOM

6.1 Introduction

What is this word GLOM? What is a GLOM? The word *glom* comes from the abbreviation of *agglomeration*. Defined in the OED as "a mass or collection of things" (Fowler, 1990), the word is also used as a verb as in "to collect into a mass". In the context of this thesis, a GLOM is a purely computational collection: a visual representation of a given set of data. In this section of the thesis, we introduce the concept of a GLOM through a description of its ideal characteristics. The concept is further developed through the presentation of a GLOM system based on the data generated and collected by BLITZ: BLITZGLOM. BLITZGLOM is the culmination of our research at the Media Lab. As such, it leverages off many of the ideas presented in the previous sections of this document. In effect, the description of the characteristics of the ideal GLOM system are a distillation of the lessons learned through the design and implementation of the several sub-systems heretofore described.

More than a mere series of isolated implementations, these computational artifacts serve as dynamic manifestations of what purports to be a new doctrine in the field of information architecture: Organic Information Display (OID). OID celebrates the lessons of traditional fields of aesthetics and computation, seeking a symbiosis between the products of reason and emotion. This is not a new goal: mankind has struggled from time immemorial with the tension between the tools he has forged and their

interplay with his affective being. What is unique about OID is its *raison d'être:* the synthesis of the organic and informational for the betterment of our communal wisdom. In the modern world, we find ourselves at an imbalance; we are overwhelmed by the creation of our creations. As our machines collect and generate, we are smothered under a blanket of data. OID seeks to find the balance between knowing and understanding, by design.

6.2 GLOM characteristics

6.2.1 Form and Meaning

In your mind's eye, consider an ancient oak tree, solitary on the crest of a hill in an open field. From a distance, you can appreciate the over-all form of the tree: the strange symmetries of the branch network, the shape and color of the canopy. As you come nearer, you notice the leaves rustling in the breeze. Strong winds have torn certain branches away from the trunk. You see faint traces of charred bark, indicating that at one point this tree survived a fire in the field. The tree is teeming with life, from the birds that temporarily alight on a branch to rest, to the ants and grubs that make a meal of leaves. We know a significant amount about this particular tree. No text. No numbers. All this information has been gleaned from a quick examination of only the formal qualities of an object: its shape, not its numbers.

Now consider the stock pages of the Wall Street Journal. Columns and columns of minuscule sans-serif type, accurately detailing the smallest

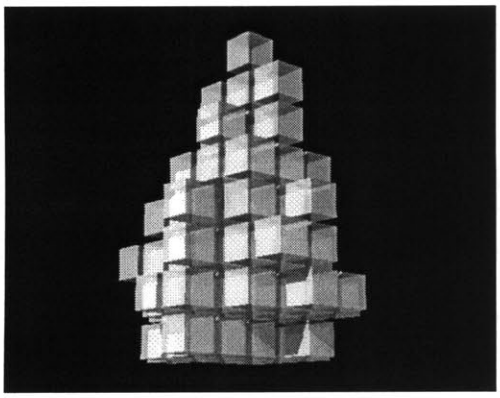


Fig.6-1: The original GLOM. This GLOM, created on a Macintosh using the Quickdraw 3D graphics library, was the first GLOM ever. It demonstrated the viability of the Vector Slide algorithm for agglomerating an arbitrary set of data.

fluctuation in price, volume and thereby intrinsic value of any particular security you care to track. Step back from the page. Observe the larger structures: line-spacing, margins, column width, the dimensions of the pages. These pages are the picture of refinement: carefully managed, rational, terminally specialized. Unlike the tree, separate representations are required to meaningfully express the micro and the macro. The listings are the micro view of a particular exchange; separate graphs and charts are used to communicate the macro: trends in the over-all market, the state of national economies.

In our research, we strive to create representations of information that incorporate the qualities of natural expectation and familiarity usually found in organic systems with the efficacy and focus of traditional alphanumeric descriptions. As such, a necessary characteristic of any GLOM representation is that its form is related in a meaningful way to the content that it comprises. This quality cannot be overemphasized. It is our observation that there has been an enormous effort in response to the perceived threat of information overload. The popular press is full of sensationalistic headlines like "Data Smog, Surviving the Info Glut" (Shenk, 1997) or "Information Anxiety: What to Do When Information Doesn't Tell You What You Need to Know". (Wurman, 1989) Most of these articles and books offer suggestions about how to streamline your information flow. They tell you which articles to read, which web sites to visit which day planners to use to make the most efficient use of your time. In addition, a few of these works go as far as to suggest new spiritual approaches to the problem of feeling overwhelmed by the flow of information. Another genre of literature, championed by Edward R. Tufte in his three-book series and through his lectures, concerns itself with the taxonomy of information display. These pieces catalogue the myriad methods of representing bodies of information while offering informed opinions about the efficacy of the various techniques along with suggestions for the refinement of extant methods. Less common is literature outlining entirely new approaches to dealing with information representation. In part, this is what we strive to accomplish with the OID initiative.

GLOMS should present the user with unique and interesting forms. These forms must be derived from the data itself, and ideally these forms

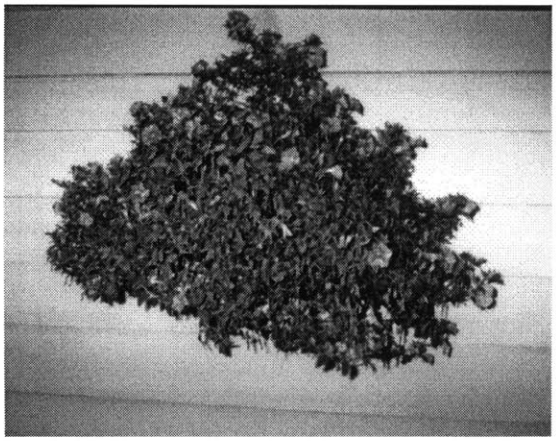


Fig.6-2: A hanging Petunia plant. Physical objects that we interact with on a regular basis, afford a sense of familiarity and expectation. This plant served as the inspiration for the DataBloom Glommit, a Glommit that embodies the mechanisms of a physical flower in order to visualize n-dimensional data sets.

will be uniquely memorable. This is an important distinction because it sets GLOM representations apart from traditional representations on at least two fronts. The first distinction, which is considered in further detail below, is that this implies the data sets are somehow subjectively distorted. The second is that GLOM representations are individually distinct with respect to their nuances of emphasis. That is to say, the way an individual GLOM emphasizes the particular maxima and minima of its data set may or may not share anything in common with the next GLOM. This is different in a subtle but critical way from existing representations. Consider for a moment your typical graph or bar chart. From one graph to the next the values assigned the axes are certainly mutable. However, aside from deliberate distortions of scale, the viewer can expect certain homogeneity between all graphs. We have all come to internalize the meaning of what appears to be an exponential curve. Periodic undulations offer no surprise. Through protracted exposure to this kind of representation we have learned to read certain biases with relative ease. This is a good thing. However, there is nothing unique about a given type of curve between representations. Even the manipulation of hue, line width or use of clip-art fails to differentiate these plots in any meaningful or-perhaps more importantly-memorable way.

Traditional techniques invite the user to build up a generic familiarity between individual representations. For lack of a better term, this pervasive familiarity could be considered to be a "meta-familiarity". Emphasis

of the unique character of individual representations is not seen as desirable as much as conformation to established conventions and avoidance of common pitfalls. The antithesis of this success has been suitably labeled "chart-junk" by Tufte. (Tufte, 1990) We agree, of course, that extraneous or gratuitous design elements are undesirable in most if not all situations, but this is beside the point. What OID calls for, and what every GLOM representation should exemplify in addition to a quality of meta-familiarity is an unforgettable individual uniqueness.

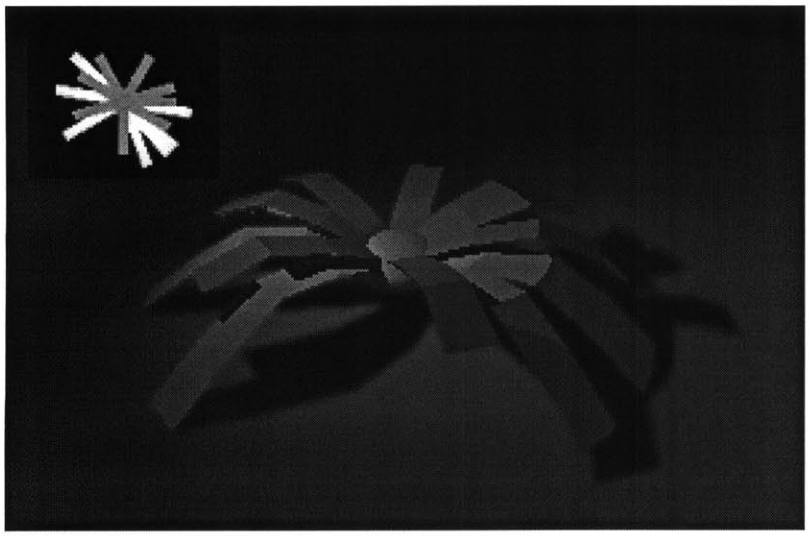


Fig.6-3: Early rendereing of the representational DataBloom. For the first time, we see an articulation of the petals that will allow the bloom to open and close. The petals are also layered and of varying hues and saturations. Inset image demonstrates the polar distribution of differently-aged petals.

It is certainly advantageous to establish a language of design for any but the most political of design systems. The *Wall Street Journal* is successful in part because of its well-conceived layout. A reader can come to the paper every day with a sense of expectation, knowing that a given feature will appear in a certain position on the page or section of the paper. Embedded pen and ink illustrations generally signify a particular type of story as do in-line graphs or charts, etc. These are all facets of uniqueness of *The Journal.* The designers have taken elements of newspaper meta-familiarity and made them their own. Thus, at a newsstand *The Journal* stands out from the rest. It has a distinctive style while remaining within the vocabulary of the genre. In a like manner, GLOM's strive to push a similar individuality to the maximum extent while remaining within the bounds of a certain commonality. The constitution of this commonality is tied up in issues of form, surface and dynamism, the elements of which are consid-

ered in detail in the remaining sections of this chapter. Thus, a user could approach a new GLOM expecting a completely unique overall form but with the comfort of knowing that the manipulation and navigation of that form will be achieved through familiar means.

Why strive for this individual uniqueness couched in systematic familiarity? Certainly, providing the user with the foregone understanding of the interface they will encounter can be considered to be an advantage rather than a liability. In this way the user is shielded from the inconvenience of having to re-learn their way around every time they encounter a new GLOM. Of course, there is an inherent danger in any system of stagnation with the inevitable progression to the eventuality of irrelevance. Any established component of meta-familiarity should be a candidate for systematic review and revision if necessary. In addition, the underpinnings of the system should never be considered set in stone. Paranoia in this case is a good thing. Regular relevant revision should be considered a necessity.

Given the comfort and convenience of a systematic underlying architecture of familiarity, the necessity for case-by-case uniqueness must be reiterated. An intrinsic part of the power of a GLOM lies in the extent of the

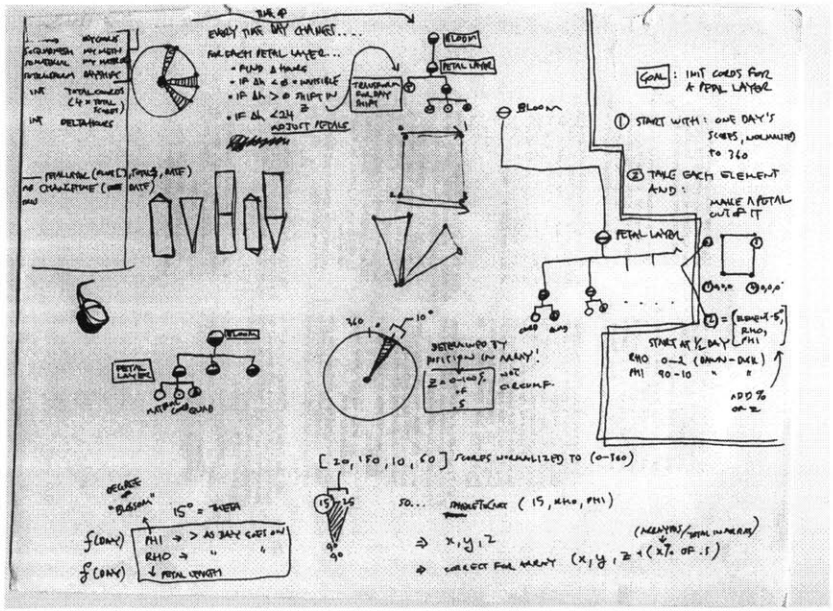


Fig.6-4: Early sketches for the DataBloom. Here we see the development of the polar distribution scheme for the player's scores. Also, this page shows the first attempts at designing a parametric hull for the DataBloom's petals.

degree that a particular representation is memorable. Empirical evidence to support this supposition comes from the reactions of observers of the Gradus project. Almost without fail, everyone who has seen Gradus has referred to it in subsequent discussions in terms of an assumed shape. To most, the swirling cloud of words appears to be a tornado of sorts. To others it appears as a brain stem. Still others consider the form akin to a giant jellyfish. The individual mapping although interesting is not as interesting as the proclivity of the viewer to create this kind of connection. Herein lies the potential fundamental strength of any well-conceived GLOM representation. It seems humans have a natural tendency to attribute a familiar object to if not anthropomorphize unfamiliar complex systems. Case in point, the creation of the constellations in the night sky. Here, among others, navigators use this particular mapping to aid their memorization of the many stars in process of their job of determining position or plotting a course. In this instance the mapping becomes a natural mnemonic device. A less utilitarian and as such perhaps a more convincing argument for our innate inclination towards such activity, is cloud watching. It is natural, even enjoyable for one to perceive the familiar in the protean vapors. One person may see a bunny in a cloud while another sees a flower. In any case, the result is greater retention. This point has been demonstrated in controlled circumstances. It has been shown that "despite the fact that imagery and mnemonic-generation skills develop slowly, it is always possible to obtain positive imagery and mnemonic benefits by providing a prompt...If the goal is simply to build up an associative knowledge base, providing pictorial mediators is a solution that can be implemented at almost any age." (Pressley, 1987)

In the same way that traditional mnemonic systems provide an entrée to the underlying information that is to be retained, so do GLOM representations demonstrate a continuum between the universal and atomic viewpoint. Ancient Greek orators were said to have constructed elaborate architectures in their minds to which they established connections to the body of knowledge they were concerned with. For example, if one were to attempt to memorize an entire four-act play they could create in their mind a four-roomed house. Particular objects could stand in for a specific character. In this way the main protagonist could become a vase, or a mirror. Each room could signify an act in the play. As the characters ran

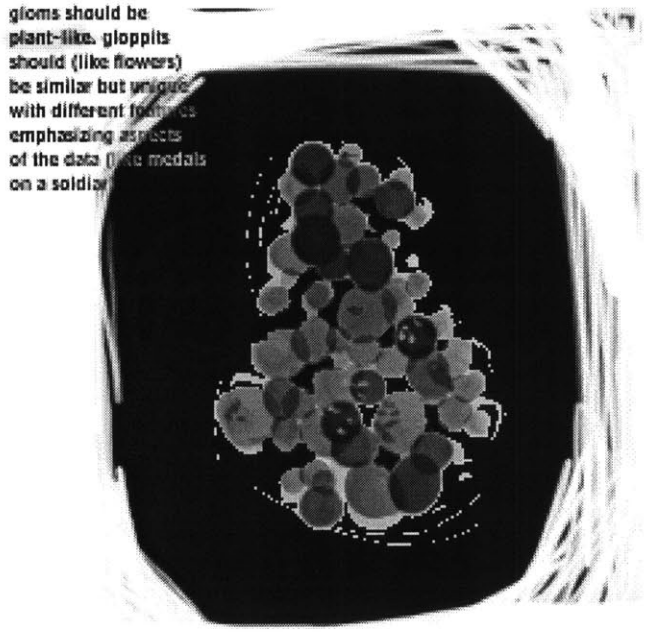


Fig.6-5: Early sketch demonstrates the desired organic look and feel of the ideal GLOM represenation. Individual glommits are distinguished yet are perceived to be a natural part of a much larger whole.

through their dialogue the orator could be mentally travelling down a table or credenza in their memory palace. This table could be covered in an orderly manner with the objects related to a particular character. As such, when the storyteller encountered a gilded box it would serve as a mental trigger for a young maiden's monologue on the occasion of her marriage. In the following passage Quintilian, "the dominating teacher of rhetoric in Rome in the first century A.D." (Yates, 1966) describes the process invented by the Greek Simonides.

> This achievement of Simonides appears to have given rise to the observation that it is an assistance to the memory if places are stamped upon the mind, which anyone can believe from experiment. For when we return to a place after a considerable absence, we not merely recognise [sic] the place itself, but remember things that we did there, and recall the persons whom

we met and even the unuttered thoughts which passed through our minds when we were there before. Thus, as in most cases, art originates from experiment.

Places are chosen, and marked with the utmost possible variety, as a spacious house divided into a number of rooms. Everything of note therein is diligently imprinted on the mind, in order that thought may be able to run through all the parts without let or hindrance. The first task is to secure that there shall be no difficulty in running through these, for that memory must be most firmly fixed which helps another memory. Then what has been written down, or thought of, is noted by a sign to remind of it. This sign may be drawn from a whole *thing,* as navigation or warfare, or from some *word;* for what is slipping from memory is recovered by the admonition of a single word. However, let us suppose that the sign is drawn from navigation, as, for instance, an anchor; or from warfare, as, for example, a weapon. These signs are then arranged as follows. The first notion is placed, as it were, in the forecourt; the second, let us say, in the atrium; the remainder are placed in order all round the impluvium, and committed not only to bedrooms and parlours, but even to statues and the like. This done, when it is required to revive the memory, one begins from the first place to run through all, demanding what has been entrusted to them, of which one will be reminded by the image. Thus, however numerous are the particulars which it is required to remember, all are linked one to another as in a chorus nor can what follows wander from what has gone before to which it is joined, only the preliminary labour of learning being required.

What I have spoken of as being done in a house can also be done in public buildings, or on a long journey, or in going through a city, or with pictures. Or we can imagine such places for ourselves.

> We require therefore places, either real or imaginary, and images or simulacra which must be invented. Images are as words by which we note the things we have to learn, so that as Cicero says, "we use places as wax and images as letters". It will be as well to quote his actual words: "One must employ a large number of places which must be well-lighted, clearly set our in order, at moderate intervals apart, and images which are active, which are sharply defined, unusual, and which have the power of speedily encountering and penetrating the mind." Which makes me wonder all the more how Metrodorus can have found three hundred and sixty places in the twelve signs through which the sun moves. It was doubtless the vanity and boastfulness of a man glorying in a memory stronger by art than by nature. (Yates, 1966)

In a more abstract sense, this is what we are providing in GLOM representations. The hull of the GLOM is akin to the house in the previous example; its rooms are the shifts and biases within and without the structure. An important advantage of the GLOM however, is the ability to move visually from the macro view to the level of specificity that is required. In the Gradus project this quality is demonstrated by the bulge that represents the burgeoning of words during the period that spanned the end of the Middle Ages through the European Renaissance. From a distant vantage point, all the user appreciates is the shape of the bulge in contrast to the rest of the form: a room with respect to a building. As the user zooms in, they move through an appreciation for fields of color (in this case zones of words with differing national origins) to a final resting position where the individual word becomes the focus. For the orators this progression would be akin to increasing in level of detail from the name of the play down to the individual sentence of a character in that play.

This process has effectively substituted symbology for the less efficient practice of providing the user with the simply formatted bulk of data. Spreadsheet applications are perhaps the best example of the latter approach, simply tabulating data in rows and columns which offer a sense of order that is only superficially related to the underlying data. In this model, one could group the names of the months in a single column. This

would establish a real but shallow relationship between the words. A more profound connection might be made if in addition to being identified as similar quantities, the names of the months could somehow give the viewer a sense for the individual length of a month, or perhaps the type of weather one might expect in that month. It is our belief that this level of concentrated meaning might be achieved through increasingly symbolic representations (as demonstrated in the Munsell, StockGLOM and DataBloom projects). To this end, we take heart in the words of Charles Babbage. "I soon felt that the forms of ordinary language were far too diffuse...I was not long in deciding that the most favorable path to pursue was to have recourse to the language of signs. It then became necessary to contrive a notation which ought, if possible, to be at once simple and expressive, easily understood at the commencement, and capable of being readily retained in the memory." (Charles Babbage, "On a method of expressing by signs the action of Machinery," 1826). This passage distills the essence of what we are striving for in the creation of GLOM systems.

6.2.2 Organic/subjective representations

In our efforts to create memorable shapes, we have chosen to aim for an organic rather than an inelastic or inorganic representation. This approach has several implications. First, our forms should appear to be "alive". This animate quality is not related to the ability of a system to pass a Turing test or any other trial that is designed to establish an objective criterion for distinguishing the presence of "original" thought in a computational device. Rather, we seek to provide the impression of life through manipulation of form. More specifically, we propose the implementation of animations based on simple rules that begin to mimic the types of decisions living or growing things make. Our definition of "living" then becomes inexorably linked to the notion of change. Without change, or inanimate periods book-ended by postponed change there is no life.

Another implicit characteristic of organic representations is the tension between the perfect and the imperfect. Current display technologies are at the same time moving away the analog while further enabling the programmer to simulate an analog signal. For instance, CRT displays are by nature more analog that LCD displays, at least in appearance. The scanning electron beam excites phosphors inside the glass tube, resulting in

Fig.6-6: The DataBloom. On the left a final rendering, accompanied by the original conception sketches. The DataBloom is a highly representative Glommit, capable of illustrating trends in high-dimensional data sets. The DataBloom incorporates a sense of familiarity and expectation that aid the user in the process of learning the nuances of the GLOM interface.

the impression of an emissive source of light. Calculated combinations of these micro-excitations using different colored phosphors, allow us to simulate a broad spectrum of color. However, different batches of phosphors result in slightly different color representations, as do variously calibrated beams and differing lighting conditions. In this way, the digital world is introduced to some of the same limitations the world of print has struggled with for generations. Liquid crystal displays offer fewer limitations of this sort due to the nature of the technology. As in a dye-sublimation printout, the individual pixels of a CRT display are hardly discernible; there is a measured amount of overflow depending on the shadowmask used in the particular monitor. LCD displays are overtly pixellated. In this way, displays are moving away from the analog. In that resolutions are increasing at the same time, along with brute processor performance our ability to introduce a calculated "analog" quality to our

designs. The overflow of the glowing phosphor can be simulated through anti-aliasing. This is not the same as introducing an analog film grain/ scratch to a digital movie. This kind of *trompe-l'oeil* is not related to our current discussion. Our point is simply that the level to which we as information designers are able to control the visual qualities of our representations is constantly increasing. It is this increased level of control that will allow us to increasingly articulate our designs, giving us the opportunity to create organic constructs that are inspired by real world counterparts but that can only exist in the digital realm. The less the viewer is aware of this distinction the better. For our purposes, there is no advantage in emphasizing the medium, only the message.

Similar difficulties exist in rendering techniques. Even scenes rendered with radiosity techniques are clearly computer generated. The surfaces are too perfect, the geometry impossibly precise. This kind of perfection can be related to issues of symmetry and asymmetry. As Ian Stewart notes:

> Something in the human mind is attracted to symmetry. Symmetry appeals to our visual sense, and thereby plays a role in our sense of beauty. However, perfect symmetry is repetitive and predictable, and our minds also like surprises, so we often consider imperfect symmetry to be more beautiful than exact mathematical symmetry. Nature, too, seems to be attracted to symmetry, for many of the most striking patterns in the natural world are symmetric. And nature also seems to be dissatisfied with too much symmetry, for nearly all the symmetric patterns in nature are less symmetric than the causes that give rise to them. (Stewart, 1995)

Our studies of typography, particularly the ideas and examples of Jan Tschichold have reinforced this bipolar approach to the question of symmetry. People in the fields of cinematography and game design, have introduced one approach to breaking the too-perfect symmetries of polygonal systems: texture mapping and parametric distortions. Elaborate texture maps, often generated from photographs of physical environments help to introduce an element of imperfection to rendered scenes. Pictures

of rusted metal, cracked and peeling paint, soiled surfaces and dirt are employed in this process. Alternately, custom shaders are created to simulate hair or the scaled surfaces of a dinosaur's body. Our solutions, for the moment eschew these solutions in favor of heavily populated systems with only the simplest of geometry. This approach gives us at least two advantages. First, with the extra computational cycles this approach affords we can concentrate on the development and incorporation of increasingly sophisticated behavioral models for the individual components of our system. A second advantage is the avoidance of the onus of the representational. Humans are very good at telling the difference between a real object and an ersatz representation. This is particularly true for representations of humans or other living beings. As long as we keep our geometry abstract, we can avoid this difficulty. As long as that geometry "behaves" in an interesting enough manner, we can begin to build up a relationship with that object along with a sense of familiarity and expectation. This familiarity will begin to allow the user to process information about a given system in a more efficient manner.

6.2.3 A designed "distortion" of the data

It is important to note that attempts to instill a living quality into GLOM systems have led without exception to the distortion of the system's underlying data set. The successful manipulation of this distortion is fundamental for the overall success of any GLOM visualization. Moreover, it is our belief that the overt introduction of distortion in the representation of our data is an important distinguishing characteristic of GLOM's and instrumental in their ability to communicate. It is a communal conceit and perhaps an inherent disinterest/lack of time that keeps us from questioning

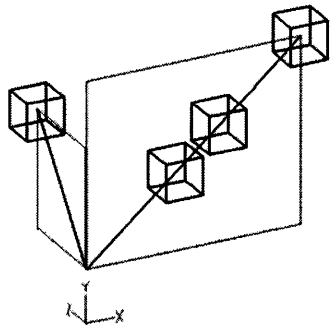
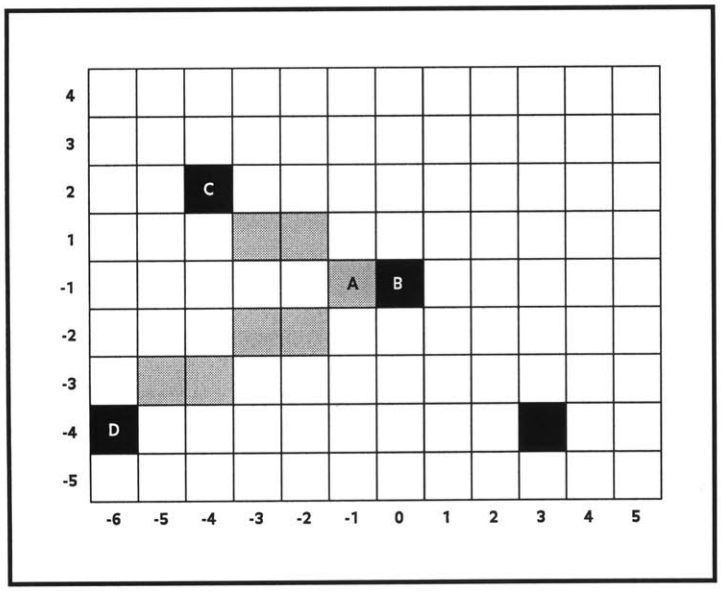


Fig.6-7: An illustration of the Vector Slide technique for glomming. Individual glommits slide along their vector to the origin until they reach it or collide.

the veracity of the charts, figures and statistics we encounter day to day. Certainly, at an instinctual level we are for the most part well aware of the pervasive manipulation of information that is common practice by statisticians. As Disreali reminds us, "there are three kinds of lies: lies, damned lies and statistics." We seek to distort data, but we aspire to an aesthetic distortion. This is distortion by design. Certainly, those who wish to deceive through their designs do so with malice of forethought. It is true, these people also distort by design. However, an important distinction exists between our work and this other kind. The distortions we introduce are designed to enhance the user's ability to glean desired information from a given set of data.

Speaking of the field of graphic design and fine art, Paul Rand suggests: "Aesthetics is the standard by which a work of art is judged. It is essentially the study of the successive or simultaneous interaction of form and content. How skillfully these components are fused will determine the aesthetic quality of the work in question. There are two parts to this hypothesis. One relates to the artist, who, unlike the spectator, is intensely involved-intuitively, emotionally, and perceptually; the other, to the object, which possesses a plastic unity that differentiates it from the ordinary artifact." (Rand, 1996) Our interpretation of these sentiments goad us on to seek out the most harmonious techniques for the introduction of advantageous distortion into GLOM systems. It is through the subtle manipulation of the techniques of the designer that we will successfully integrate a targeted focus of interest to our designs. Ultimate success is achieved when this manipulation is not the user's primary concern although they are aware of the underlying methods. Hence, the importance of honest system dynamics.

The "vector-slide" technique, introduced in the Munsell project and early GLOM prototypes serves as a useful example of the difficulties involved in maintaining an honesty throughout the distortion process. This technique for achieving an agglomerated state can be described as follows. In an attempt to reach an agglomerated state, one approach might be to "scale" the plot, that is to draw a vector from the origin to each of the coordinates and slide the cubes in toward the center along these various vectors. There are two disadvantages to this approach. The first is that at any given point



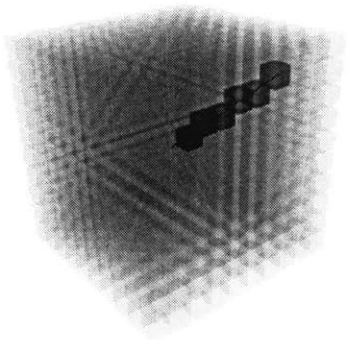


Fig.6-8: On the right, a three-dimensional representation of Brsenham's classic scan-converting algorithm. On the left, a potential scenario for the Vector Slide technique. *B* is the origin.

during the scaling process any one cube might intersect another, thus adding confusion to the scene. The second major drawback of this approach is that taken to its natural conclusion all cubes end up at the origin that does not leave us with a very interesting GLOM representation.

A modified version of the scaling process will however yield some interesting results. In order to solve the first problem of intersecting cubes we can break up our world into "voxels" or "volume pixels", essentially an infinite number of imaginary cubes. The next step is to establish the rule that no piece of geometry, in this example our cubes, can be plotted to a coordinate other than an integer value (which corresponds to the voxel space we have created). In order to achieve this we employ a scan-converting algorithm, such as Bresenham's Line Algorithm,[4] to determine the legitimate intermediate points along the vector to the origin. Figure 6-7 shows a three-dimensional representation of this process. Another method is introduced into the system to avoid the possibility of two cubes being plotted to the same voxel. Before geometry is translated, find out the distance between the individual cubes and the origin. Tell all cubes that they want

4. Foley, J. D, Van Dam, A "Fundamentals of Interactive Computer Graphics" (Reading, MA: Addison-Wesley Publishing Company, 1982) 433-6.

to be at the origin. From the closest cube outwards, follow these steps: having calculated the scan-converted line to the origin, tell the cube it is okay to move as close to the origin as possible. Thus, every cube after the first will occupy the unoccupied voxel closest to the origin along their vector. Figure 6-8 illustrates this process. Cube "C" will be polled before cube "D" and will be assigned to voxel "A" (the origin voxel having been occupied by the rightmost cube which has the closest initial position of the bunch). When cube "D" is finally polled it will plot to the next cube out along its vector beyond "A". This approach also solves the second problem we identified: the cubes no longer converge to a single point. You now have a glom. Refer to Figure 6-1 for an illustration of a simple one hundred point glom.

6.2.4 The Battle with the Representational

A fundamental limitation of abstraction is its initial lack of context and the resulting unfamiliarity that lack engenders. The temptation is to offer ever more representational forms as a solution. After our initial experiments with purely abstract geometry at the atomic level, we entered a phase of experimentation with the representational that culminated with the DataBloom glommit. The DataBloom was the result of our search for an increasingly complex atomic unit for a given GLOM system. The earliest GLOM prototypes, including Gradus, Munsell and the Tribune project all sported rather simplified glommits. In these systems individual data points or records of data were proxied by unsophisticated abstract geometry or by text. As such, the communicative potential of the glommit was severely curtailed. Certainly, there are situations that call for the simplest and most elegant solution. However, we were interested to explore new ways of mapping an increased number of variables to the component pieces of a GLOM. For example, the cubes in Munsell were colored according to the specific RGB triplet in the system they were there to represent. Even at this level we had the option of mapping additional vectors of information-perhaps the emotional characteristics, or trend/popularity statistics-to an individual cube through the manipulation of its localized motion or its transparency, scale etc. These freedoms were not new. What we sought was an increased density of mappings for a given piece of geometry. To this end we looked to nature.

Objects in the natural world are already familiar and for the most part densely packed with information that tells the user about the state of that object. Take for example a typical trip to the local grocer. As the shopper makes their way through the produce department they are presented with a number of display bins filled with various fruits and vegetables. If one were to consider the bin of oranges for a moment, they could begin to appreciate the amount of information we are able to glean from even a cursory examination of this type of organic mass. A bin like the one introduced above might contain upwards of a hundred separate oranges. The shopper's goal might be to pick out six or seven oranges with the intention of making orange juice. As they pick up particular oranges they can take note of the weight of that orange. Conventional wisdom suggests that the juicier an orange is the heavier it will be. The thickness of the skin, the size and spacing of the dimples and the presence of bruises or any type of parasitic growth: these are all characteristics of oranges that we have come to be familiar with through prolonged exposure.

With the DataBloom we began to explore ways of incorporating similar

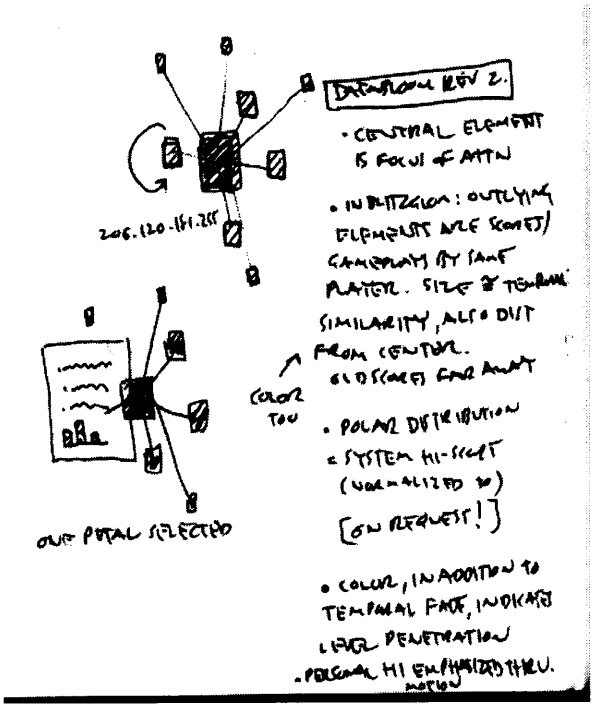


Fig.6-9: Designs for the modified DataBloom Glommit. Original designs proved too representational, producing in the user an expectation for articulation in areas that seemed superfluous or harmful to the visualization process. By abstracting the familiar mechanisms of physical objects, we aim to maintain the user's sense of familiarity/expectation while avoiding the need to implement gratuitous detailing.

characteristics into our GLOM systems in an overtly representational manner. The DataBloom, as it name suggests, looks like a flower. During the summer of 1997 I was inspired by a potted plant (Fig. 6-2). Hanging in stark relief against the white wall of my parent's house, this petunia plant struck me with its cohesive yet completely transparent complexity. The plant was a tangled organic mass. Thousands of leaves in varying states of health crowded together along with several hundred pink, funnel-shaped blooms. The flowers were also in various states of health: running the gamut from freshly bloomed to mostly decomposed. (N.B. it must have been an oversight, my mother is an excellent gardener!) This collection of leaves, stems and flowers was quite dense, forming a roughly pear-shaped mass. Upon reflection, we were impressed by the amount of information the state of a flower could hold and the ease with which we were able to perceive this state. We began to think about how to isolate the discreet characteristics of a flower: what were the individual components, and how did they change as the flower moved through its life cycle? As well, the single flower was clearly a small part of the larger body of the plant. Each flower was richly endowed as an individual in the community of the plant; it kept its own record of state. Yet, each bloom was inexorably linked to the state of the overall plant. If the plant did not receive enough water or nutrients, every component of the plant would be affected in its own way. Still, this did not prevent the single leaf or flower from being affected on an individual basis. Finally, the plant as seen from a distance had a strange and satisfying symmetry. It was pear-shaped, but like a pear no single slice could yield a consistent diameter or two identical halves.

At this point, we had already decided that the data set we would be working on for this thesis would be the statistics gathered from people who played an online game of our making. Thus, in the initial concept stage for the design of the DataBloom we began to map its characteristics to the kinds of data we anticipated from the game. The petals of the DataBloom would represent and individual game play. They would be distributed according to polar coordinates around the center of the bloom. The angle of distribution would be determined by normalizing the score from that game play against the overall high score in the system. Under this arrangement, if a player were just learning how to play the game their scores would in all likelihood be clustered between the one and three o'clock

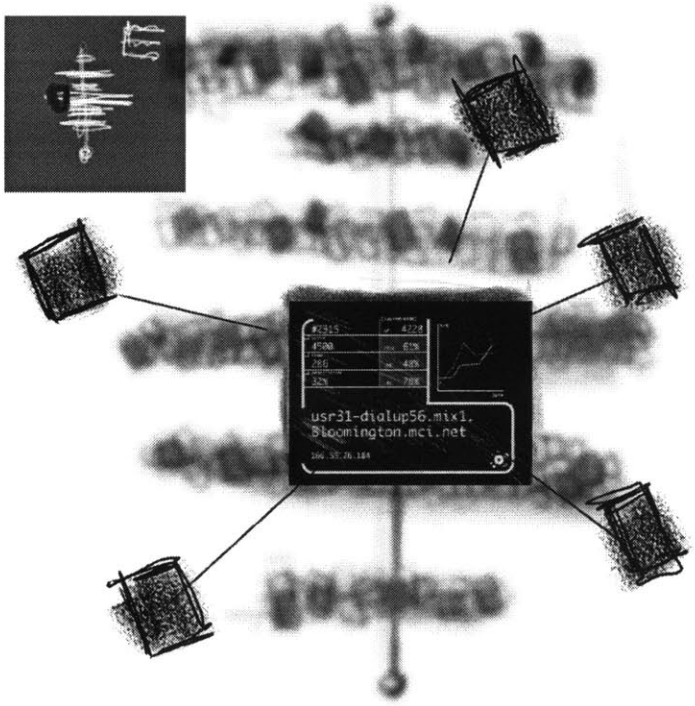


Fig.6-10: Sketch of the essential functionality of the BLITZ-GLOM system that is currently under development. In the foreground the star-like structure represents an individual player's score record. Here we see what is in effect a highly abstracted version of the original databloom. Outlying shapes are the player's previous games. The polar distribution of these "petals" is according to the date of that game. In the background you can see the layered GLOM representation from which the central record was picked. In the top left we see a miniature version of the overall structure used to give the user a sense of orientation when they are zoomed inside the structure.

position. As the player improved their abilities, their scores might begin to spread out somewhat, and as they began to log the higher scores in the system, they would introduce petals closer to ten o'clock or midnight. Each time a new score was added, it would be added slightly beneath the petal that preceded it. In this manner, we would prevent the eventuality of impacted geometry: the petals would spiral downward at time progressed, like some spiral staircase with impossibly placed steps. The hue and saturation of the individual petal would be determined by the time at which that particular score had been logged. Older score petals would appear desaturated and of a less vibrant hue; fresh scores would be colorful and bright. Under this scheme, a user could glance at a particular DataBloom and quickly get a sense of how the player whose scoring history was embodied in that bloom had progressed in their abilities over time.

The DataBloom is also animated. It has the ability to close to what in the

physical world might be considered a nocturnal state. Upon command, the flower blooms revealing its petals for easy consideration. This feature was added for at least two reasons. First, people expect a flower to bloom and the process is an aesthetically pleasing one. One should never underestimate the importance of providing the user with a pleasant subjective experience in the manipulation and use of information systems. If the project can communicate and satisfy on a more spiritual level, it is doubly successful. The second reason for giving the DataBlooms the ability to bloom was purely a matter of efficiency. In any three-dimensional computational environment there is a persistent trade-off between polygon count and render speed. We were interested in introducing a rudimentary image-loading scheme to increase rendering speed while maintaining the appearance of the same quantity of raw geometry. Having the DataBlooms close upon themselves led to occluded geometry: the inner petals were simply not visible after they were wrapped up by the outer ones. Right away, we were able to cut down on our overall polygon count by culling the occluded geometry. In addition, as individual DataBlooms moved farther away from the viewer's camera we dynamically reduced the complexity of the bloom's geometry. The individual petals of a given DataBloom were represented internally as a simple triangle-strip set. The edges of this set were defined by two three-dimensional Bézier curves. If we desired to reduce the polygon count on a particular petal, we simply lowered the sample rate on these curves. The result, of course, was a coarser rendition of a petal, but in that the petal was distant from the viewer it was not a readily perceivable degradation.

We also designed and implemented a system that integrates the DataBloom representations with a three-dimensional tracking device: the Polhemus FasTrac system. The Polhemus FasTrac system is made up of a sensing cube 2" on a side-that is tethered by a 6' cord to an external unit that is in turn connected the controlling computer by a serial cable. The external FasTrac unit allows the user to connect up to four sensors that are themselves connected by a 6' cable. The Polhemus device transmits data at approximately 60Hz. The programmer can extract information about the position, pitch, roll and yaw of the various sensors. We used the Polhemus technology as a means to picking and navigating in early prototypes of the DataBloom environment. In these systems, the user can inter-

actively pick various DataBlooms by positioning the Polhemus trackers appropriately. The user holds one of the Polhemus sensors and waves their hand about, moving from bloom to bloom. As the user nears a particular DataBloom, it opens in response revealing the score history it embodies. The Polhemus device becomes a sort of magic wand, activating all it touches.

The design and implementation of the DataBloom representation was educational. Through this project, we learned that for the type of information representation we are currently interested in it is not suitable, perhaps even detrimental to deploy shapes that are highly representational, i.e. very similar to a real world counterpart. The closer a virtual shape is to its physical double, the more difficulties you run into with respect to your ability to deliver on expectation. If a user sees what they perceive to be a flower, they expect it to behave like a flower in as many ways as possible. If your virtual flower is not fragrant, it could be perceived as a shortcoming. It would be best if you could water your polygonal blooms, or the user will be disappointed. In addition, aligning yourself with a real world object brings with it all the associations people make with that object. This can be distracting. After observing this reaction to the project, we froze work on it because we were not interesting in implementing the kinds of expectations users presented to us. Undoubtedly, these suggestions would have led to a more lifelike representation of a flower. This was not our goal. We were interested in communicating information about something beyond the flower: the player's score history. In order to proceed toward this chosen goal, we decided that an intelligent course of action would be the pursuit of increased abstraction. This would be achieved through a studied distillation of the essence of familiarity. In the future, we would not focus on the outward shape of familiar object as much as the underlying mechanisms of familiarity. Behaviors would be separated from specific shapes, systems of organization from their expected components. Under this approach, it would not be so important to have a series of petals blooming. Rather, the process of opening would be separated from the polar organization of a series of small multiples.

6.2.5 Axes

There are two main components to any GLOM representation: the axes

of organization and the atomic data units that conform to the established system of organization, the Glommit. The axes serve to contextualize the entire system. Here, the user or the designer makes the decision to separate the component parts of the GLOM according to an arbitrary metric of distribution. The successful identification of these metrics factors heavily into the ability of a particular representation to successfully communicate the nuances of its underlying data set. The process of identification for these axes is extremely specific to the given data set. Who should decide which axes should be used? How are these axes identified? These critical questions must be answered on a case-by-case basis. The Stock-GLOM project is a useful example in the illustration of this process. It is likely that the designer of a GLOM representation is not an acknowledged expert in the field of the information they are seeking to represent. An

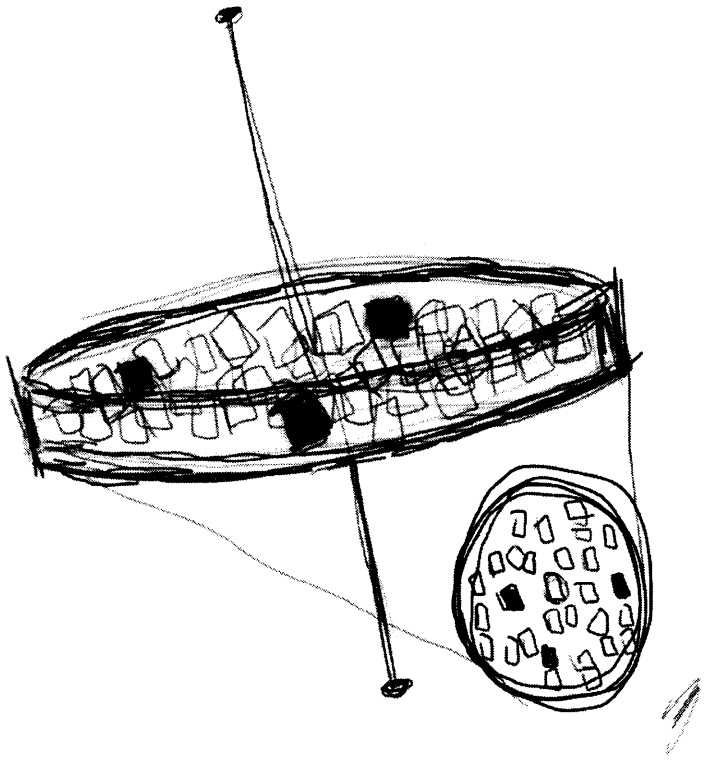


Fig.6-11: Here we see a closeup of a layer from the proposed BLITZ-GLOM system. An individual layer contains a sampling of the overall population that is determined by a stepped distribution. Individual glommits roam about the layer . Darkened glommits signify game plays where the level was completed successfully.

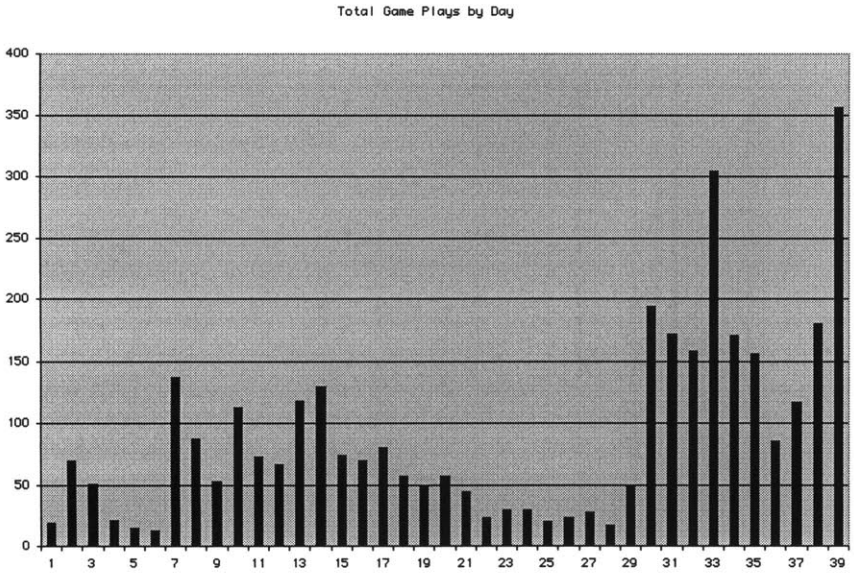


Fig.6-12: This graph illustrates the total game plays BLITZ has received on a daily basis in the forty day period since it was posted. The early swell around day 7 coincides with BLITZ appearing on www.gamelan.com. Note the even decay following. The large peak on day 33 and then on day 39 coincide with postings on www.jars.com and www.happypuppy.com.

information architect is not necessarily a stockbroker and vice versa. However, an information architect possesses the skills necessary to successfully present the information that a stockbroker knows to ask for when it comes to stock and bonds. The information designer is given a set of raw data pertaining to securities: yield percentages, the number of stocks traded in a day, the closing price of a stock, the change in price between that day's close and the previous day's close, the price/earnings ration, the stock's highest and lowest prices during the previous 52 weeks, the dividend and finally the stock's highest and lowest prices of the day. The information designer is given a set of raw data pertaining to securities: yield percentages, the number of stocks traded in a day, the closing price of a stock, the change in price between that day's close and the previous day's close, the price/earnings ration, the stock's highest and lowest prices during the previous 52 weeks, the dividend and finally the stock's highest and lowest prices of the day. An optimal approach to determining the most appropriate axes for the problem at hand is for the designer and the expert to work together. Ideally, the designer should plan to spend at least a week in a purely observational role, seeing how the expert deals with their information flow. At the end of the observational period the designer should sit down with the expert, compare notes and in this manner determine the best axes to use in the GLOM representation.

6.3 Implementation: BLITZGLOM

This section of the thesis describes the work-in-progress implementation of the second half of the thesis: the BLITZGLOM visualization. BLITZ-GLOM is conceived as a real-time, interactive interface to the data warehoused in the Microsoft Access database generated from the reports of those who have played BLITZ. As such, BLITZGLOM represents the state-of-the-art in GLOM representations as of this writing. This section describes the functionality of BLITZGLOM and its unique characteristics in contrast to extant GLOM systems. Specific mappings are introduced and described.

6.3.1 The Hull

BLITZGLOM is unique among existing GLOM representations in both its underlying architecture and surface characteristics. We are involved in a continuous process of refinement when it comes to the issue of glommit figuration. Initial systems, best represented by the Gradus project, proposed that the glommit be defined as two-dimensional text in a three-dimensional environment. The Munsell GLOM used a different stratagem, pointing towards an increased level of abstraction. In the Munsell GLOM individual glommits were rendered as colored cubes. These cubes exhibited no external markings and offered no extended information as a part of their geometry. Later GLOMS, like the Tribune project and Stock-GLOM extended this approach in the two-dimensional realm by using a scaled-down version of the original content-such as a photograph or a text piece-as the glommit. In situations where this approach was not advisable or even possible, call-outs were used instead when the user moused over or clicked to select a particular glommit. An alternative approach is move away from abstraction in favor of increasingly representational forms. This was first attempted in earnest with the DataBloom prototype. With BLITZGLOM the emphasis is on performance and economy of form. BLITZGLOM is designed to run under TGS' V3Space control in the Visual Basic environment on a Pentium Pro 200Mhz PC with hardware 3D graphics acceleration. In terms of performance, this configuration is several orders of magnitude faster than anything running under current Java technologies on the same machine. As such, certain limitations previously encountered are rendered irrelevant while others require re-evalua-

tion. Nonetheless, a PC is not an SGI Octane. In order to guarantee performance and maintain a decent frame rate, it proved necessary to carefully plan our approach.

In order to guarantee performance, we simplified the underlying geometry of the representation. In the BLITZGLOM system, the glommit is made

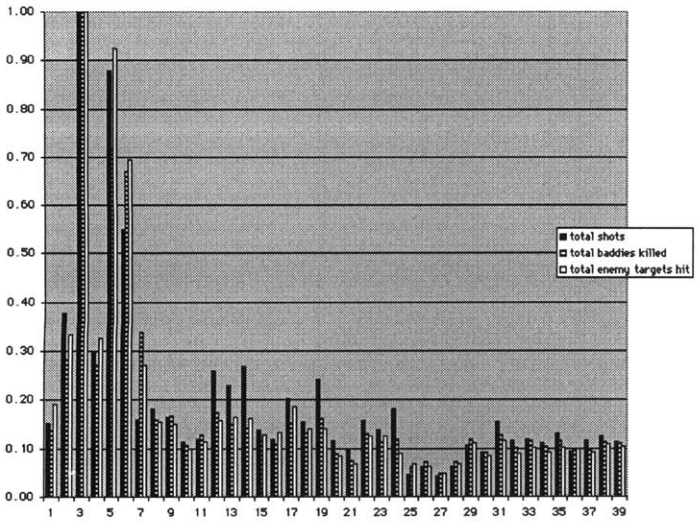


Fig.6-13: This graph shows the strong corellation between the number of shots fired and baddies killed. It may be an expected relationship, but from this we know that players are not wasting their time shooting at random targets (or missing much).

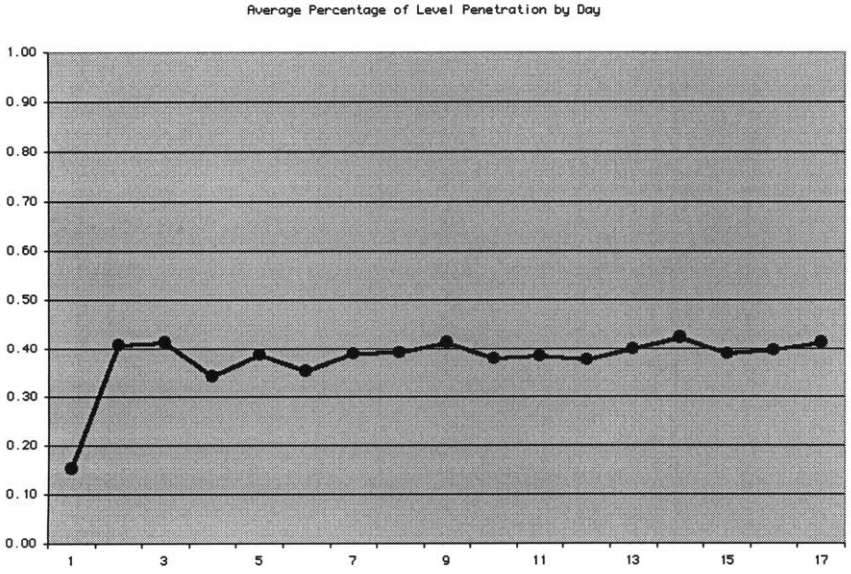


Fig.6-13: This graph shows that over time those who play BLITZ are on average getting no closer to the goal. This is true in spirte of the wide variation in number of game plays over the period of the sample. Perhaps it is time to make the level just a little easier.

up of only two polygons. This dramatically simplified form precludes geometry-based representation like the original DataBloom. However, the gains in performance allow us to enhance the animated characteristics of the glommit to create a much more lifelike feel to the GLOM. In order to maintain some level of perceived complexity, we turned to texture map-

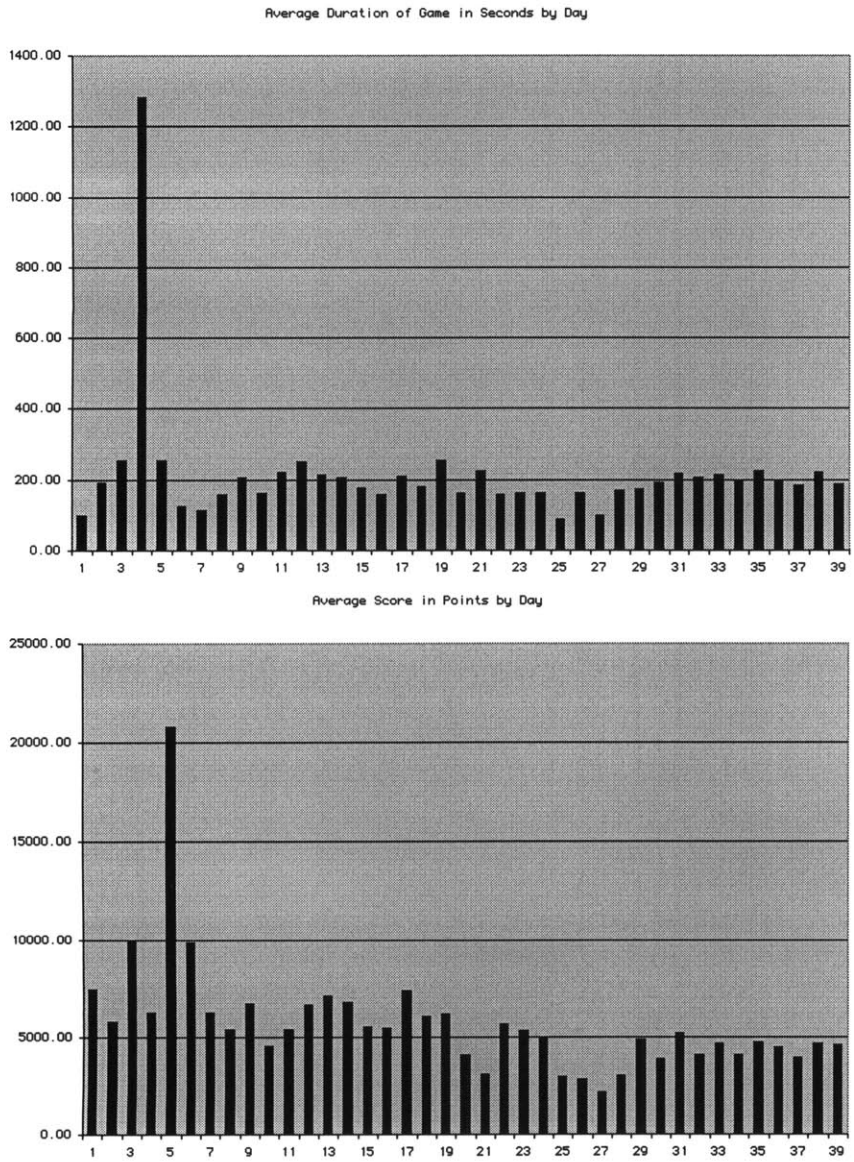


Fig.6-14: These two graphs show the life of a bug in BLITZ. Around day 5 we realized that the timer and score were not resetting after every game, hence the huge spike. Although telling, these graphs are not as useful as the BLITZ-GLOM system in allowing the user to access information about an individual game play.

ping. Affordable hardware acceleration directly addresses texture mapping which allows us to use it prudently in our designs. Each glommit in BLITZGLOM, when selected is texture mapped with the information specific to it. This arrangement allows us to leave the majority of the glommits unmapped. When they are distant from the user or when they are not picked the glommits are not mapped. This arrangement increases performance in the rendering pipeline.

With BLITZGLOM we introduce a modified version of the DataBloom. Increasingly abstracted, this DataBloom keeps the functional and organizational characteristics of the original while making no attempt to simulate a physical flower. When the user clicks on a particular glommit, the camera zooms in to focus on it. The glommit fills approximately sixty percent of the screen and is texture mapped with the information that is specific to that glommit. An icon on the surface of the glommit allows the user to click to summon aliases of all other glommits associated with the original, i.e. that player's entire game play history. These copies are summoned and fall into place surrounding the original glommit which remains in the center. The satellite glommits are linked to the original by thin lines and are distributed around the original according to normalization against the high score in the system. For example, if the majority of the player's scores fall in the range of 0.2-0.5 of the system high score, then the outlying "petals" will be distributed between the 2:30 and 6:00 positions.

6.4 The Layers

The BLITZGLOM is organized into a series of layers to facilitate comprehension of trends in the data. Each of these implicit cylindrical divisions is populated with the series of glommits that fall between the bounds imposed by this division. For example, if the vertical axis was assigned to be time, a natural division might be a twenty-four hour period. Under this division, a single layer would comprise the data for a single day. Individual glommits signify a single game play. Within the petri-dish layer, glommits roam about according to a set of deterministic behaviors. The quality of the motion serves to emphasize an assigned characteristic. In the StockGLOM system, increased activity was mapped to the volatility of an individual security. In BLITZGLOM, two candidate mappings are the

"freshness" of a particular game play, i.e. how recently that play was entered in the system, and how close that play came to the system-wide high score. High scores and level completions are marked by hue, their age by decreased saturation.

The user is able to specify the granularity of the division between the layers of the BLITZGLOM. Instead of considering an entire day's worth of data, the user might choose to consider the data from a morning. In this way, each layer might comprise the game plays from only a few hours. The user is able to determine the extent to which the layers are separated or compressed. This allows the user to shift the focus between a particular slice of the data and the overall form of the body of data.

6.5 The Axes

The axes in the BLITZGLOM system can be assigned by the user. Initially, the vertical axis is set to date: the earliest game plays are distributed among the bottom levels of the shape. Unlike earlier GLOMS, the horizontal and depth axes are not assigned by default. Work with Gradus and other early prototypes suggest that not only is it difficult to remain oriented in a three-dimensional environment organized in this manner, but that issues of occlusion make it difficult to appreciate the distribution. BLITZGLOM avoids this difficulty by leaving organization within a layer until later. At any time, the user may choose to focus in on a particular layer. The camera shifts to a position directly above the chosen layer. All other layers fade out through increased transparency. Even though the individual pieces of geometry that make up the layer is three-dimensional, the user is presented with a two-dimensional view of the layer. At this point the user might choose to distribute the individual glommits in a layer in any of two ways. First, glommits can be distributed in a radial manner. Similar to the scheme used in the DataBloom models, this distribution results in glommits being positioned between noon and midnight on the virtual clock face of the BLITZGLOM layer. The second way in which the glommits can be organized is by distance from the center of the layer. Those glommits that are most "fit" are closest to the center, while others move further away.

We are currently developing the BLITZGLOM system. The underlying

technology is already in place (see Fig. 6-15). We have successfully run prototype versions of BLITZGLOM with 10-20,000 glommits in real-time. As we proceed, it is with the utmost confidence that through the development of the BLITZGLOM we will advance our study of organic architecture and identify new models and mechanisms for future visualizations.

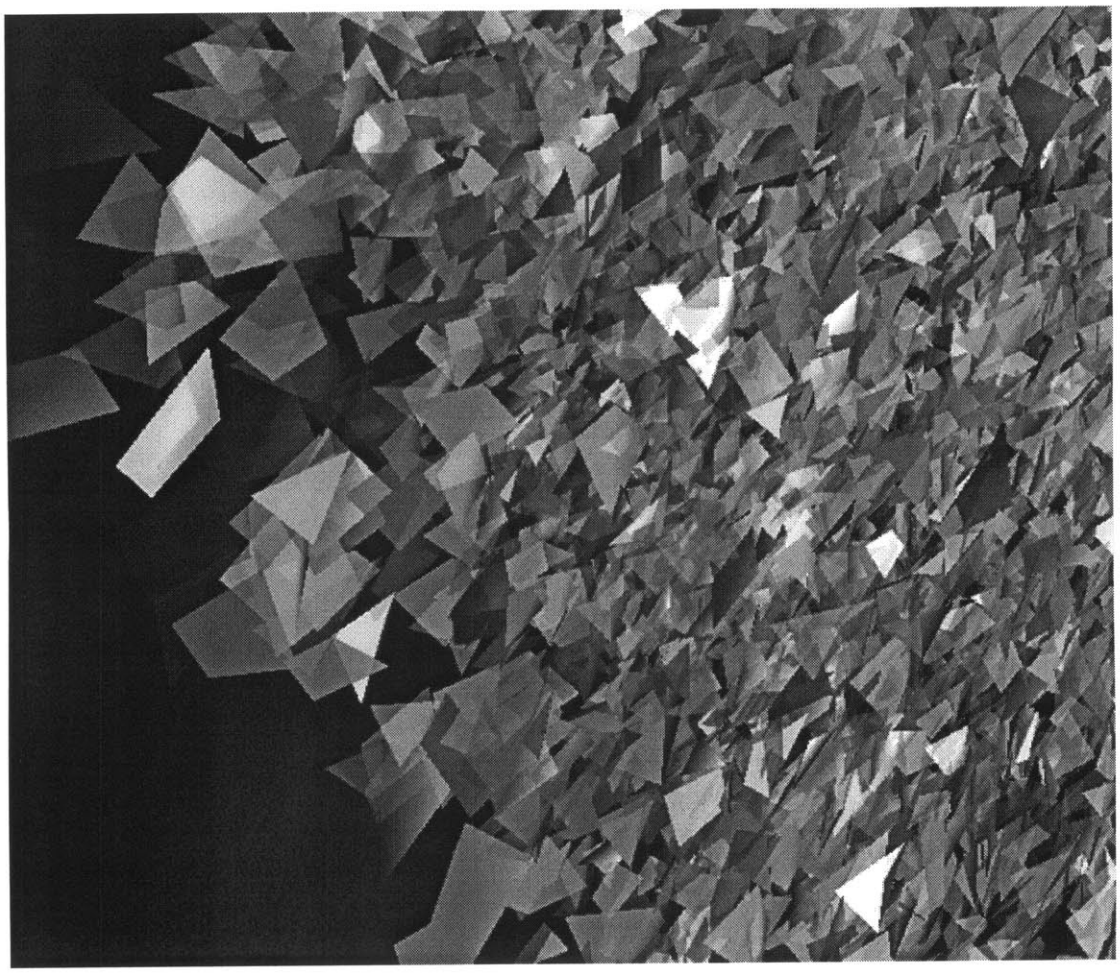


Fig.6-15: A view of the future. Screenshot from prototype implementations of BLITZGLOM, the GLOM representation for the data generated by and collected for the BLITZ game. In this shot you see 10,000 individual transparent, pickable Glommits. The user can manipulate the GLOM and the Glommits in real time on a Pentium Pro 200 PC.

7 Conclusion

7.1 Summary

In this thesis, we have introduced GLOMS: data visualization systems that utilize an organic information architecture as a means to structuring an interface to arbitrarily-sized databases. We have presented specific prototype GLOM implementations that move beyond the traditional notion of alphanumeric representation for quantitative information. These prototypes provide intuitive, interactive visual interfaces to underlying data sets. These GLOMS leverage off the "picture superiority effect." (Paivio, 1969) Paivio's results demonstrate that "pictures are remembered better than words; words for which subjects imagine referents are better remembered than words studied without such coding...and mnemonic devices employing imagery can produce dramatic effects on retention." (Roediger III, 1987) In addition, GLOMS incorporate the components of imagery-based mnemonics stressed by professional mnemonists, which are that the images should be interactive in nature and unusual rather than common. (Lorayne, 1974) In this thesis, we have also developed a new database infrastructure to support the collection of data from users around the world. We have presented BLITZ, the web-based Java game that interfaces with the database server to provide information for visualization. We have also described and begun the implementation of BLITZGLOM, a GLOM visualization for the data collected from BLITZ.

In particular, we have presented early work on a series of seminal GLOM

prototypes: Gradus, Munsell, the Chicago Tribune project and Stock-GLOM. These prototypes were developed with Maeda and others over the term of thesis research. In all of these projects, special emphasis has been placed on the articulation of realistic motion and the relationship of the atomic unit of representation to the agglomerated whole.

With Gradus we introduced the concept of subjective distortion. The individual words of the English language were mapped along three axes and subsequently packed. The process of packing, while introducing a distortion to the plot, resulted in a much more memorable and unusual external form. The result of selecting the particular axes of organization also demonstrated the ability of a form to indicate the historical characteristics of a set of data. Gradus also demonstrated the advantages for legibility of constraining two-dimensional geometry in an orthogonal orientation to the implicit spherical division of a three-dimensional environment. Gradus introduced the idea of spatio-distributed aliased indexing through its thesaurus function. Importantly, the success of Gradus demonstrates the effectiveness of GLOM techniques for visualizing a database of prose.

The Munsell project introduced new generalized methodologies for the meaningful distortion of data sets: the Vector Slide. This technique utilizes a custom voxel-based algorithm for the efficient creation of non-perforated agglomerated masses. An innovative technique for the minimization of occlusion-Inclusive Transparency-was proposed. This technique allows for the efficient examination of the occluded components of an agglomerated mass. The Munsell project illustrates the viability of GLOM techniques for visualizing a data set of color coordinates.

The Tribune initiative introduced the concept of the single-dimension GLOM representation. Algorithms developed for this technique organize the component information units into stacked, stratified layers according to relevancy. This project also established the effective limitation of utilizing iconic representations of photographic assets in a GLOM representation. Here we introduced the idea of quantified thematic axes of organization for GLOM systems. This project established the efficacy of glomming techniques for databases of multimedia assets along with the need for effective glomming techniques designed for small-scale (less than

100 data point) data sets.

The final prototype system, StockGLOM, presented a new technique for introducing natural motion and cohesion into a GLOM system: Autonomous Agglomeration. This algorithm, inspired by cellular autonoma, gives the atomic units of representation in a GLOM system the ability to roam about the environment according to a set of rules with the goal of unified cohesion. StockGLOM introduced the concept of honest system dynamics: the refinement of glomming techniques to reflect the subjective distortion they introduce to the databases they represent. StockGLOM further articulates the notion of an organic subdivision within agglomerated masses. To this end, a modified Voronoi/Delaunay triangulation algorithm was developed. StockGLOM establishes the viability of glomming techniques for stock-market data.

This thesis presents the DataBloom, a highly representational atomic unit of representation-Glommit-for use in GLOM system. Based on a physical flower, DataBlooms demonstrate the advantage and limitations of referential visualizations. User feedback suggests that in utilizing this approach, the designer must be prepared to provide the ersatz model with an extensive inventory of characteristics from its physical counterpart. This inventory serves to satisfy the user's sense of familiarity and expectation concerning the original and does not necessarily contribute to the success of the GLOM representation. Nonetheless, the DataBloom Glommit demonstrated an ability to embody "physically" at least triple the number of informational dimensions previous Glommits were.

A networked database system was produced to facilitate the background calculations necessary to provide for the GLOM representations that lie on top of it. This system was integrated with the web-based Java game BLITZ-created for this thesis-in order to collect a controlled set of data for future GLOM visualization implementations. BLITZ integrated essential aspects of successful legacy arcade and home system games. BLITZ enjoys persistent success and is identified by independent sources to be an innovative example of the potential of the Java language.

Finally, this thesis describes and begins the implementation of a next-gen-

eration GLOM system: BLITZGLOM. Based on the data generated by BLITZ, BLITZGLOM introduces a revision of the DataBloom which incorporates increasingly abstracted dynamics and appearance. This revision is a response to the limitations of DataBloom representations identified in earlier prototypes.

In summary, the methods and forms identified and implemented through the research and development phase of the thesis serve to create a solid foundation for future implementations of organic information display. We have identified and formalized a series of techniques that can be utilized to create effective and communicative visual representations for quantitative information.

7.2 Future Directions

The goal of the process of identification recorded in previous sections of this thesis is the creation of visualizations that provide the user with a positive subjective experience. Future goals include the verification of the supposition that GLOM visualizations can afford both a more efficient method of representing information along with a more positive subjective user experience. We hope to substantiate this claim through the design of experiments that challenge the user to complete information retrieval tasks using traditional and GLOM techniques of information visualization. In addition, we would like to identify metrics by which the user's subjective experience could be meaningfully quantified.

Finally, it is our intention to continue to identify new techniques for representing natural motion and progression to an agglomerated state. We have initiated consideration of annealing techniques as well as more elaborate "artificial intelligence" algorithms for Glommits based on insects and flocking species. We will continue to test our techniques in new realms of information. Of particular interest are databases of human interaction.

Appendix A: Interview with a BLITZ Player

A-I: Introduction

Noah's father, Ron McNeil, stopped me one day at the office to mention that his son had become a "big fan" of BLITZ and was playing the game on a regular basis. This was a Tuesday. At the time, Noah was making routine visits on Wednesdays to the lab to see his father and participate in an experiment conducted by the members of the Epistemology and Learning group under Mitch Resnick's aegis. I wondered to Ron if he would give his son permission to participate in an interview with me concerning his impressions of BLITZ. Ron agreed, and the next day I met with nine year-old Noah.

When Noah arrived, I did not know his age. From his appearance, he seemed to be between eleven and twelve years old. I was surprised to find out he was only nine. My goal in interviewing Noah was to secure an impression of the game from someone who a. had not been involved in the original development, and b. was representative of my target audience. These impressions would be used to improve particular characteristics of BLITZ with an eye to attracting a greater number of regular players. Noah fit the bill. I was struck by Noah's ease and familiarity with the underlying technologies involved. Dressed in a broadly striped blue and red shirt, jeans and skater's shoes, Noah talked easily about internet con-

nections, gaming conventions and processor speeds. When he encountered a concept he was unfamiliar with, Noah was not disheartened. Instead, he took these new ideas in stride adding them easily to his already impressive knowledge of the digital world.

What follows is a transcript of the first half our conversation held at 5:00PM on Wednesday, April 22, 1998. The second half of our interview concerned the level editor and the design of a custom level for BLITZ. This level was produced with slight modification, and is available for play from the www.glom.net site.

A-II: Transcript

MG: How did you find the game BLITZ?
NM: Um, because my dad just told me.
MG: How long ago did you first play the game?
NM: About two weeks ago. Oh, see uh usually whenever I get in there without killing those two first it crashes right there.
MG: Really, can you show me?
NM: Ok. Well see when I kill them from there it doesn't happen. Here watch this. Usually I am standing right there and the guys pop out. They keep on popping out and then, just, it will just stop.
MG: How do you work around that?
NM: Here I'll show you. I kill them from the top.
MG: The computer you play this on at home, does it have a modem? How do you connect to the Internet?
NM: I just go on the Internet and I have a bookmark and I am just sort of there.
MG: Do you have a modem?
NM: Yeah.
MG: How long does it take to load the game?
NM: Um, I don't know maybe thirty seconds. I don't know.
MG: Really? So it is a 56.6k modem?
NM: I'm not sure it is my sister's modem.
MG: But it does not take too long to load?
NM: No. See this is how I fix it [the bug]
MG: Did you know you could turn the turret by itself?
NM: Yeah, you do shift and then one of these, but it's kind of hard to get it back to normal.
MG: Did you know if you hit "c" the turret will return to its normal position?
NM: It does?
MG: Yes.
NM: Oh, so I am just going to go here. Shall I hit "c"? Ha, that's cool.
MG: Just so you know. And you know you can turn the sound on and off with "s"?
NM: Oh, I didn't know that actually. Nobody really minds.
MG: No? That's great because around here I can't play with the sound on all the time.
NM: See that's how I fix it.

MG: And then it doesn't usually crash? What type of machine do you play BLITZ on?
NM: I play on a PC.
MG: Do you know which processor it has?
NM: The processor?
MG: Does it run as quickly as this one [300mHz Pentium II]?
NM: It's just a little bit slower.
MG: What other types of games do you play these days?
NM: I don't know. I have some games like Lucas Arts.
MG: How about things like Nintendo 64 or things like that?
NM: No, I don't really like video games.
MG: Really? But you have fun playing BLITZ sometimes?
NM: I once got around where those four barreled things are, but I haven't got past that. I died.
MG: How would you rate the difficulty of this level? Is it too hard, too easy?
NM: I like it the way it is because it's a challenge.
MG: If it was easier it might be too easy?
NM: Yeah I guess. It could be a little easier when you got around there, but I kind of like it that way because...
MG: Is there anything about the way I have set up the interface, for example there it says "goal", that is confusing, or does it all make sense?
NM: It makes sense pretty much. The goal is, I'm pretty sure that's how many people are destroyed or something. Or how far...what I want to know is there an end to this or is it once you've destroyed everybody is that the end?
MG: No, what the goal is showing you is how close you are to the end. So there really is an end. If you want I can make you invincible and you go through the level? Do you want me to do that?
NM: Ok, I'll try.
MG: So don't look. [I press the secret key combination] Ok, now you can just go and nothing can shoot you. You will still have to shoot things but... Ok, so it was not clear that there is an end to the level?
NM: No it wasn't. I thought it was just like how many guys you killed. I thought that because when you go through the maze it can be both. Because when you go through the maze you kill more guys and when you go through the maze you are getting farther.
MG: That's true. So how old are you?
NM: I'm nine.

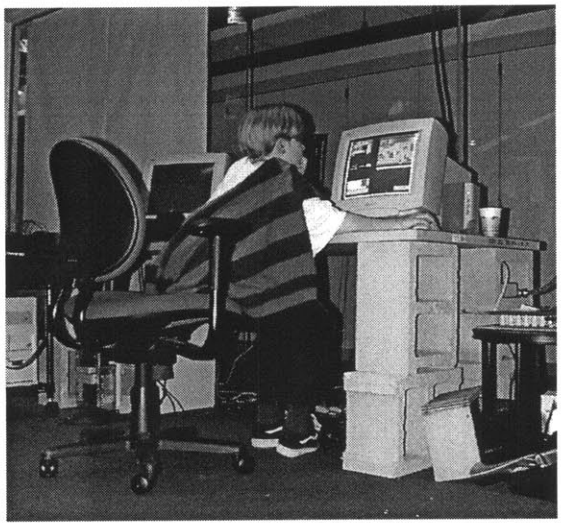


Fig.A-1: Noah McNeil designs a level using the level editor created by Melissa Hao. The level Noah created, with only slight modifications, was included withthe general distibution of BLITZ.

MG:You're nine? Do you know what type of games other people your age are playing?
NM: They like video games. That's not really my type though. I don't know. You hold little thingies and they're...I think it is more interesting to have a screen in front of you and then...um...
MG:You mean the controllers for Nintendo?
NM: Yeah.
MG: So you prefer the keyboard?
NM: Yeah.
MG: A lot of games that are really popular right now are like Doom and Quake: 3D...
NM: I tried to load Quake. I like Quake pretty much but I have never played it with the enemies because the demo version you get has no guys in it.
MG: Many of the graphics in BLITZ are based on games from the 80's. It is definitely an older style game.
NM: Can you fall in those? [crater from exploded turret]
MG: No.
NM: Hey you know what? At the end you should have one of them at the end that you just go in and then it drops you down to the second level or something, or is this the only level?
MG: That's a cool idea. Right now this is the only level, but there is no reason there can't be more levels. There is actually a level editor that I put out there so if

anyone wants to design a level then I can include it in the game.
NM: That's cool.
MG: So I put this game on the web and lots of different people play it all the time and I collect their scores and other information. Would it be interesting to you to a. play against some of those other people....
NM: Yeah, if you could do a multi-player mission or something.
MG: How would you do that? You mean you would play at the same time?
NM: Yeah. You would start at, say, different ends. And if one person killed the other person then they would win. But then you should have the invincible not work, and the green guys would just be interference.
MG: What would the main goal be?
NM: The main goal would be to destroy the other person playing and the other people, but I guess they would be just interference. But you should leave out the big guys because they are too tough.
MG: The original idea was that two people would be racing to get to a common goal. [Noah gets to the end]. Does it change your attitude now that you have reached the end?
NM: I think it, now that I know where to go it is sort of different.
MG: More of a challenge?
NM: Yeah. Well, now that I know where to go, there are some distractions, like the place where you go up it doesn't really lead anywhere. I like that. I think what you could do is have dead ends and a place where you would go down a column and then there would be a dead end.
MG: So what do you like most about school?
NM: I think...I like Phys. Ed. a lot, that's my favorite class.
MG: So what grade are you in now?
NM: Third grade. Sometimes we played basketball, sometimes we play medical wars...and also about this: what would be nice would be if you could have a save game or just pause it or something. Usually what they do is you hit "escape" and then you load or save.
MG: Why would it be cool to have that feature?
NM: I don't know.
MG: So what do you think of math class?
NM: Oh, I have an advanced math class. We are doing a lot of thinking problems. And sometimes we do stuff that is like pre-algebra almost. In regular math class we are learning fractions. That's where I usually die.
MG: So what is your general strategy when playing BLITZ?
NM: My strategy is don't destroy what you don't have to.

MG: Ok, how come?
NM: Because it could be just sort of a trap that kills you. I don't have to destroy them because they can't hurt me if I don't blow up those blocks.
MG: Now that you know that the goal of the game is to get to the end as quickly as possible, does that change how you might play? How would you try to get as far as possible as quickly as you can?
NM: As far as possible? I would just sort of...I don't know. I would find the most possible squares to be in that are the best. Say I want to destroy that I usually get in this square and slant myself so it can't shoot at me.
MG: I was thinking of adding a feature that would indicate on the level where each player dies. I think everyone is dying around here, like you said you died down here a lot. You would see lots of little gravestones...
NM: Or you could see rubble or something where the dead tanks were.
MG: Is it interesting to you that lots of people could be playing this game all around the world, or is it more interesting to you that it is just you playing the game?
NM: I don't know. I think that is interesting in a way. Um...
MG: Are you interested to know how you perform compared to those other people in terms of your scores and times?
NM: Sort of, but not really. I think my personal score is my score. I don't really mind if other people know my score, it's just...I don't know.
MG: The focus is not so much on the fact that other people know your score as much as it is you would be able to compare your scores and times against those of other players...
NM: Oh, you mean like a high-scores table?
MG: Exactly. I could have an area that could show all the high scores. Would that be interesting?
NM: Yeah.
MG: So how did you figure out how to play the game without making it crash?
NM: I just said, well up here there's two guys there so I can...
MG: You shot them from up there?
NM: Yeah.
MG: And then it just didn't crash. That's pretty cool. What do you think of the sound effects?
NM: I like the sound effects.
MG: [game speaks] Do you ever wonder who that guy is?
NM: He sounds kind of like a German laugh. Um....
MG: What do you think of the graphics because they are very different in some ways than many new games...

NM: You could make obstacles of some sort, like mounds you could move around or holes you could fall in or something. Or at the end-right in the middle of that checkered area-that could be like a red spot that is black and the bad guys come out of it and once you've destroyed them I guess you are supposed to drop in. Then you drop to the next level. Or you could make mines. You could make an "x" and then if you ran over it...
MG: You blew up as opposed to the medical one...
NM: You could do both.
MG: Do the graphics as they exist now, do they strike you as different from other games that you have played or not really?
NM: I think so because they are mostly squares and you are looking down at you and...um...I don't know usually you are the person.
MG: In 3D you mean?
NM: Right, in 3D you are the person.
MG: How does this compare to that in your opinion?
NM: I don't know, just different.
MG: It doesn't bother you?
NM: No.
MG: What do you think about the way the tank moves?
NM: Um...
MG: Hey, you are getting pretty far [in the level].
NM: Rats, he noticed me. Also, maybe if the enemy learned how to destroy walls or something. Say if you shot at some walls and they noticed that or if they learned how to follow you like in the game Descent. In Descent the enemies learn how to follow you if you run away from them.
MG: I agree. What do you think of the idea of somehow recording the path that everyone took and over time it changed the character of the level. In the same way that in a house if everyone walks the same way...
NM: Well if it changed almost every time depending on where you go. If you die there or if you are successful there then the next level will be the same except there are different traps and different paths.
MG: Ok, but I mean take this level for example. Perhaps the next time you played it there would be tire treads where other people went.
NM: Or you make dirt mounds that made you or the enemy slow. Or you could make the bottom more realistic, they could be dirt. You could make it terrain or leave it the way it is. I don't know.
MG: Would it be interesting to see where other people have driven through the level before you?

NM: Yeah.
MG: Would you go that way, or would you go some other way?
NM: Well if I saw them come to an end then no, but...
MG: I guess that's about right. Thanks for your time Noah I really appreciate it.
NM: No problem.

After this conversation Noah was introduced to the level editor. He went on to design his own level which was only slightly modified and then posted to the http://www.glom.net site as an alternative level for players to attempt. A player can select Noah's level by clicking through the link [Noah's level]. In the weeks since this level was posted, it has received a healthy number of plays.

Appendix B: Game Statistics

In the following pages the reader will find a subset of the data collected during the forty days preceeding the submission of this thesis. The data is complete except for the omission of level completion codes and ending health percentages. Below is an explanation of the column headings.

date: the date the score was recorded.
time: time of day.
score: the score, in points, the player was awarded.
duration: the duration, in seconds, the game lasted.
baddies: total number of bad guys the player managed to destroy. This count includes stationary bunker emplacements as well as roaming enemies.
hits: count of successful hits the player made with their shots. A successful hit includes any shot that strikes and enemy or Destructo-wall.
Shots: total number of shots a player has made during the game.
ip: the internet protocol address of the player.
id#: the unique score id for the particular game play.

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980401	12:46:25 PM	3500	78	7	89	158		753
980401	1:37:31 PM	32050	605	59	757	1840		754
980401	2:00:17 PM	0	23	0	17	17		755
980401	2:02:45 PM	0	8	0	0	6		756
980401	2:06:59 PM	100	15	0	25	24		757
980401	5:17:17 PM	0	75	0	0	14		758
980401	5:17:23 PM	0	7	0	0	4		759
980401	5:17:58 PM	0	5	0	0	0		760
980401	5:18:53 PM	0	24	0	0	0		761
980401	5:20:07 PM	1200	50	2	42	182		762
980401	5:21:22 PM	5050	58	8	117	374		763
980401	5:23:54 PM	11000	138	19	257	773		764
980401	5:29:57 PM	32100	338	58	859	2465		765
980401	5:33:27 PM	32600	47	60	920	2560		766
980401	5:46:17 PM	5450	99	9	103	287		767
980401	6:22:58 PM	1200	56	2	20	79		768
980401	6:24:13 PM	2500	56	5	90	192		769
980401	6:25:47 PM	5200	73	10	159	319		770
980401	6:28:19 PM	9550	115	18	259	547		771
980402	1:03:33 AM	1350	38	5	54	123		772
980402	3:19:14 AM	250	85	0	22	27		773
980402	4:21:32 AM	1250	171	5	51	73		774
980402	8:12:44 AM	3850	104	8	58	613		775
980402	8:15:30 AM	9550	153	21	179	1069		776
980402	8:25:09 AM	0	7	0	12	20		777
980402	8:30:17 AM	0	9	0	25	32		778
980402	8:37:32 AM	2900	65	6	35	133		779
980402	8:41:04 AM	0	2	0	0	0		780
980402	8:44:20 AM	0	3	0	0	2		781
980402	9:11:06 AM	650	131	0	21	26		782
980402	9:14:52 AM	0	5	0	17	17		783
980402	9:18:17 AM	200	54	0	34	35		784
980402	9:55:40 AM	0	4	0	0	5	glum.media.mit.edu/18.85.25.34	787
980402	10:03:51 AM	1000	23	4	40	91	tunnel-nt-endpoint-2.media.mit.edu/18.85.25.3	788
980402	10:07:40 AM	0	15	0	0	7	kirby.media.mit.edu/18.85.21.34	789
980402	10:36:52 AM	200	7	0	25	22	glum.media.mit.edu/18.85.25.34	790
980402	10:38:14 AM	0	15	0	23	25	glum.media.mit.edu/18.85.25.34	791
980402	11:16:57 AM	0	19	0	0	3	loewy.media.mit.edu/18.85.21.37	792
980402	11:28:38 AM	2800	113	9	115	304	fay.media.mit.edu/18.85.5.170	793
980402	11:31:49 AM	0	43	0	0	3	wireless-23.media.mit.edu/18.85.18.23	794
980402	1:10:42 PM	1100	14	3	42	107	cooper.media.mit.edu/18.85.21.70	796
980402	1:11:53 PM	250	40	1	29	29	cooper.media.mit.edu/18.85.21.70	797
980402	2:29:08 PM	14700	154	19	182	6	ns1.ratgut.com/204.96.52.22	798
980402	3:02:54 PM	200	81	0	4	28	pinotnoir.media.mit.edu/18.85.16.104	800
980402	4:06:35 PM	1800	36	3	18	3	cooper.media.mit.edu/18.85.21.70	802
980402	4:07:08 PM	1800	7	3	18	4	cooper.media.mit.edu/18.85.21.70	803
980402	4:07:39 PM	2000	11	3	56	47	cooper.media.mit.edu/18.85.21.70	804
980402	4:08:08 PM	2500	11	5	116	105	cooper.media.mit.edu/18.85.21.70	805
980402	4:11:40 PM	250	16	1	22	55	cooper.media.mit.edu/18.85.21.70	806
980402	4:12:42 PM	500	7	2	27	45	cooper.media.mit.edu/18.85.21.70	807
980402	4:13:21 PM	1000	23	6	64	117	cooper.media.mit.edu/18.85.21.70	808
980402	4:13:39 PM	0	2	6	64	117	cooper.media.mit.edu/18.85.21.70	809
980402	4:14:13 PM	500	5	8	108	166	cooper.media.mit.edu/18.85.21.70	810
980402	4:14:37 PM	500	9	10	135	229	cooper.media.mit.edu/18.85.21.70	811
980402	4:15:04 PM	250	12	11	159	254	cooper.media.mit.edu/18.85.21.70	812
980402	4:22:43 PM	500	55	2	27	65	cooper.media.mit.edu/18.85.21.70	813
980402	4:23:10 PM	0	10	2	27	65	cooper.media.mit.edu/18.85.21.70	814
980402	4:28:47 PM	1350	43	2	15	39	wireless-89.media.mit.edu/18.85.18.89	815
980402	4:33:45 PM	9400	191	20	288	1510	cooper.media.mit.edu/18.85.21.70	816
980402	4:38:43 PM	11950	282	40	706	3854	cooper.media.mit.edu/18.85.21.70	817
980402	4:42:39 PM	3400	87	8	68	140	diversions.media.mit.edu/18.85.8.235	818
980402	4:44:14 PM	3200	74	20	177	458	diversions.media.mit.edu/18.85.8.235	819
980402	4:48:51 PM	10100	259	38	479	1377	diversions.media.mit.edu/18.85.8.235	820
980402	4:52:58 PM	4300	88	12	170	359	diversions.media.mit.edu/18.85.8.235	821
980402	4:55:08 PM	4550	113	21	230	565	diversions.media.mit.edu/18.85.8.235	822
980402	4:59:35 PM	8700	252	39	418	1200	diversions.media.mit.edu/18.85.8.235	823
980402	5:08:54 PM	0	34	0	3	19	cooper.media.mit.edu/18.85.21.70	824
980402	5:09:27 PM	0	9	0	3	20	cooper.media.mit.edu/18.85.21.70	825
980402	5:21:08 PM	4200	169	8	72	211	wireless-23.media.mit.edu/18.85.18.23	826
980402	5:28:34 PM	20100	446	34	586	2497	cooper.media.mit.edu/18.85.21.70	827
980402	5:36:57 PM	4350	84	9	51	313	cooper.media.mit.edu/18.85.21.70	828
980402	5:40:32 PM	7550	159	23	221	965	cooper.media.mit.edu/18.85.21.70	829
980402	5:44:27 PM	9400	209	42	518	2151	cooper.media.mit.edu/18.85.21.70	830
980402	5:50:06 PM	16300	318	76	1030	4423	cooper.media.mit.edu/18.85.21.70	831
980402	5:57:17 PM	14150	388	102	1418	6041	cooper.media.mit.edu/18.85.21.70	832
980402	6:00:23 PM	10450	171	119	1654	6973	cooper.media.mit.edu/18.85.21.70	833
980402	7:47:21 PM	500	6	2	27	27	frutiger.media.mit.edu/18.85.21.72	834
980402	8:00:03 PM	38550	470	185	2401	9823	cooper.media.mit.edu/18.85.21.70	835
980402	8:01:31 PM	2000	70	192	2492	10153	cooper.media.mit.edu/18.85.21.70	836
980402	8:08:02 PM	24050	447	42	621	3462	frutiger.media.mit.edu/18.85.21.72	837
980402	8:08:54 PM	14500	427	222	2903	11892	cooper.media.mit.edu/18.85.21.70	838
980402	8:20:26 PM	10350	170	17	378	595	frutiger.media.mit.edu/18.85.21.72	839
980402	9:50:17 PM	8950	5369	32	718	1135	frutiger.media.mit.edu/18.85.21.72	840
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980402	11:46:53 PM	9650	130	101	804	2695	cooper.media.mit.edu/18.85.21.70	844
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980403	1:19:02 AM	4950	98	198	1933	6018	cooper.media.mit.edu/18.85.21.70	848
980403	1:20:44 AM	5250	85	212	2064	6287	cooper.media.mit.edu/18.85.21.70	849
980403	1:21:16 AM	15400	450	54	550	3231	kaze.media.mit.edu/18.85.5.79	850
980403	1:23:31 AM	7150	152	226	2213	6579	cooper.media.mit.edu/18.85.21.70	851
980403	1:26:53 AM	35500	93	114	1158	2828	frutiger.media.mit.edu/18.85.21.72	852
980403	1:28:31 AM	9500	276	251	2405	7147	cooper.media.mit.edu/18.85.21.70	853
980403	1:29:04 AM	6250	98	129	1302	3073	frutiger.media.mit.edu/18.85.21.72	854
980403	1:30:56 AM	18500	481	96	1082	5805	kaze.media.mit.edu/18.85.5.79	855
980403	1:31:15 AM	5800	116	142	1446	3405	frutiger.media.mit.edu/18.85.21.72	856
980403	1:34:19 AM	9050	168	160	1651	3801	frutiger.media.mit.edu/18.85.21.72	857
980403	1:35:06 AM	34750	384	312	3313	8823	cooper.media.mit.edu/18.85.21.70	858
980403	1:36:22 AM	5100	88	173	1741	4289	frutiger.media.mit.edu/18.85.21.72	859
980403	1:39:23 AM	8250	240	331	3509	9792	cooper.media.mit.edu/18.85.21.70	860
980403	1:41:02 AM	11950	333	127	1370	7765	kaze.media.mit.edu/18.85.5.79	861

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980403	1:43:14 AM	7950	216	347	3683	10815	cooper.media.mit.edu/18.85.21.70	862
980403	1:48:31 AM	7950	183	363	3861	11952	cooper.media.mit.edu/18.85.21.70	863
980403	1:50:58 AM	24550	580	181	2006	11203	kaze.media.mit.edu/18.85.5.79	864
980403	2:08:28 AM	38250	953	263	2969	17346	kaze.media.mit.edu/18.85.5.79	865
980403	2:11:42 AM	14200	220	206	2051	5090	frutiger.media.mit.edu/18.85.21.72	866
980403	2:14:21 AM	8000	145	224	2265	5651	frutiger.media.mit.edu/18.85.21.72	867
980403	2:14:35 AM	9300	126	15	245	655	kaze.media.mit.edu/18.85.5.79	868
980403	4:01:38 AM	4400	85	12	98	304	frutiger.media.mit.edu/18.85.21.72	869
980403	4:08:12 AM	9700	336	34	295	1570	frutiger.media.mit.edu/18.85.21.72	870
980403	4:16:46 AM	12300	335	20	326	1877	frutiger.media.mit.edu/18.85.21.72	871
980403	5:05:23 AM	50	68	0	5	50	glum.media.mit.edu/18.85.25.34	872
980403	10:28:49 AM	5800	162	12	165	221	tunnel-nt-endpoint-2.media.mit.edu/18.85.25.3	873
980403	11:20:44 AM	200	33	0	4	9	frutiger.media.mit.edu/18.85.21.72	874
980403	11:58:23 AM	1800	29	3	18	62	frutiger.media.mit.edu/18.85.21.72	875
980403	12:26:23 PM	10650	299	13	287	356	pinotnoir.media.mit.edu/18.85.16.104	876
980403	12:33:14 PM	1800	29	3	18	45	frutiger.media.mit.edu/18.85.21.72	877
980403	12:34:05 PM	2050	3318	4	79	89	boulet.media.mit.edu/18.85.17.102	878
980403	2:03:21 PM	3000	155	4	48	118	wireless-86.media.mit.edu/18.85.18.86	879
980403	3:21:25 PM	1800	28	3	18	55	frutiger.media.mit.edu/18.85.21.72	880
980403	4:09:58 PM	32500	682	63	810	3597	wireless-8.media.mit.edu/18.85.18.8	881
980403	4:11:58 PM	5500	93	78	997	3978	wireless-8.media.mit.edu/18.85.18.8	882
980403	4:14:35 PM	6400	78	92	1118	4300	wireless-8.media.mit.edu/18.85.18.8	883
980403	4:44:25 PM	1800	46	3	18	30	tschichold.media.mit.edu/18.85.21.71	884
980403	5:58:38 PM	15650	28	29	175	131	tschichold.media.mit.edu/18.85.21.71	885
980403	10:08:48 PM	600	22	1	6	16	cooper.media.mit.edu/18.85.21.70	886
980403	10:18:04 PM	7750	115	17	173	372	tschichold.media.mit.edu/18.85.21.71	887
980403	10:47:25 PM	10800	42	35	283	480	tschichold.media.mit.edu/18.85.21.71	888
980403	10:51:27 PM	5100	94	48	406	796	tschichold.media.mit.edu/18.85.21.71	889
980403	10:56:30 PM	21700	424	34	484	2124	frutiger.media.mit.edu/18.85.21.72	890
980403	10:57:28 PM	6850	50	16	123	108	cooper.media.mit.edu/18.85.21.70	891
980403	10:59:38 PM	5100	115	28	250	429	cooper.media.mit.edu/18.85.21.70	892
980403	11:00:56 PM	7500	123	16	179	646	igarashi.media.mit.edu/18.85.21.69	893
980403	11:05:53 PM	7950	255	14	257	1283	igarashi.media.mit.edu/18.85.21.69	894
980403	11:09:10 PM	4200	53	21	316	1451	igarashi.media.mit.edu/18.85.21.69	895
980403	11:14:07 PM	2400	44	32	274	429	cooper.media.mit.edu/18.85.21.70	896
980404	2:05:16 AM	4100	89	9	94	411	frutiger.media.mit.edu/18.85.21.72	897
980404	2:07:46 AM	6750	135	29	250	993	frutiger.media.mit.edu/18.85.21.72	898
980404	2:13:56 AM	12900	354	61	713	2279	frutiger.media.mit.edu/18.85.21.72	899
980404	3:27:40 AM	2500	16482	52	437	899	tschichold.media.mit.edu/18.85.21.71	900
980404	3:59:38 AM	26300	214	107	1191	3587	frutiger.media.mit.edu/18.85.21.72	901
980404	5:40:33 AM	32100	548	60	761	3135	kaze.media.mit.edu/18.85.5.79	902
980404	8:19:27 AM	100	43	0	29	33	glum.media.mit.edu/18.85.25.34	903
980404	3:07:54 PM	0	3	0	1	1	glum.media.mit.edu/18.85.25.34	904
980404	3:08:44 PM	0	31	0	6	27	glum.media.mit.edu/18.85.25.34	905
980404	4:39:40 PM	300	1286	0	9	54	ts8-141.intercall.com/207.77.26.141	906
980404	4:50:30 PM	0	14	0	0	0	mckay.media.mit.edu/18.85.21.80	907
980404	4:50:57 PM	0	11	0	0	0	mckay.media.mit.edu/18.85.21.80	908
980404	7:16:59 PM	3650	6986	7	75	127	mckay.media.mit.edu/18.85.21.80	909
980404	7:24:55 PM	2000	73	13	126	237	mckay.media.mit.edu/18.85.21.80	910
980404	7:34:12 PM	1800	48	17	201	366	mckay.media.mit.edu/18.85.21.80	911
980404	8:06:18 PM	4950	37	27	278	522	mckay.media.mit.edu/18.85.21.80	912
980404	9:06:51 PM	50	31	0	1	12	hatchet.media.mit.edu/18.85.17.109	913
980404	9:55:58 PM	29700	464	53	900	2851	kirby.media.mit.edu/18.85.21.34	914
980404	9:58:12 PM	1100	13	56	946	2891	kirby.media.mit.edu/18.85.21.34	915
980404	9:58:37 PM	0	7	56	946	2891	kirby.media.mit.edu/18.85.21.34	916
980404	10:38:39 PM	3550	77	7	41	142	hatchet.media.mit.edu/18.85.17.109	917
980405	12:11:48 AM	27800	468	47	785	2757	wireless-83.media.mit.edu/18.85.18.83	918
980405	12:29:55 AM	13650	186	29	319	829	wireless-8.media.mit.edu/18.85.18.8	919
980405	12:43:46 AM	40200	817	109	1444	5428	wireless-8.media.mit.edu/18.85.18.8	920
980405	12:53:48 AM	30700	378	163	2136	7048	wireless-8.media.mit.edu/18.85.18.8	921
980405	1:00:37 AM	6250	90	172	2332	7338	wireless-8.media.mit.edu/18.85.18.8	922
980405	1:05:21 AM	25600	274	215	2983	8564	wireless-8.media.mit.edu/18.85.18.8	923
980405	1:57:41 AM	0	14	0	0	1	frutiger.media.mit.edu/18.85.21.72	924
980405	2:02:16 AM	25650	259	39	616	1659	frutiger.media.mit.edu/18.85.21.72	925
980405	6:15:30 AM	25950	285	40	650	1378	wireless-8.media.mit.edu/18.85.18.8	926
980405	10:19:42 AM	28150	257	46	691	1678	mckay.media.mit.edu/18.85.21.80	927
980405	11:49:02 AM	14000	334	26	449	2570	cooper.media.mit.edu/18.85.21.70	928
980405	11:54:47 AM	22400	265	64	936	4462	cooper.media.mit.edu/18.85.21.70	929
980405	1:39:24 PM	39800	39	66	401	105	mckay.media.mit.edu/18.85.21.80	930
980405	9:07:32 PM	4100	47	8	114	233	igarashi.media.mit.edu/18.85.21.69	931
980405	9:09:06 PM	7150	78	22	287	682	igarashi.media.mit.edu/18.85.21.69	932
980406	1:12:49 AM	9400	93	17	192	396	mckay.media.mit.edu/18.85.21.80	933
980406	1:22:05 AM	15750	495	31	519	1809	mckay.media.mit.edu/18.85.21.80	934
980406	1:37:31 AM	6500	98	12	155	413	frutiger.media.mit.edu/18.85.21.72	935
980406	1:48:51 AM	27750	325	58	861	3093	frutiger.media.mit.edu/18.85.21.72	936
980406	1:57:33 AM	5550	115	69	958	3438	frutiger.media.mit.edu/18.85.21.72	937
980406	4:15:32 AM	5200	285	15	80	240	dove.metacreations.com/204.29.234.61	938
980406	9:30:30 AM	300	14	1	25	35	glum.media.mit.edu/18.85.25.34	939
980406	9:33:41 AM	55200	31	159	1526	3448	frutiger.media.mit.edu/18.85.21.72	940
980406	9:34:26 AM	100	26	159	1546	3499	frutiger.media.mit.edu/18.85.21.72	941
980406	9:35:37 AM	1150	53	162	1618	3764	frutiger.media.mit.edu/18.85.21.72	942
980406	9:36:41 AM	700	44	164	1700	4050	frutiger.media.mit.edu/18.85.21.72	943
980406	1:30:43 PM	0	7	0	0	7	eisner.media.mit.edu/18.85.21.79	944
980406	10:42:45 PM	500	26	2	41	44	tschichold.media.mit.edu/18.85.21.71	945
980407	12:51:01 AM	17150	23	28	175	14	tschichold.media.mit.edu/18.85.21.71	946
980407	12:51:32 AM	600	17	29	181	35	tschichold.media.mit.edu/18.85.21.71	947
980407	12:52:16 AM	3000	28	34	213	130	tschichold.media.mit.edu/18.85.21.71	948
980407	12:53:59 AM	6750	88	47	332	400	tschichold.media.mit.edu/18.85.21.71	949
980407	12:55:51 AM	6050	95	57	470	727	tschichold.media.mit.edu/18.85.21.71	950
980407	12:57:32 AM	7450	84	70	596	998	tschichold.media.mit.edu/18.85.21.71	951
980407	12:58:12 AM	1200	25	72	608	1039	tschichold.media.mit.edu/18.85.21.71	952
980407	1:01:22 AM	9100	175	88	899	2001	tschichold.media.mit.edu/18.85.21.71	953
980407	11:30:11 AM	150	112	0	29	118	scarface.media.mit.edu/18.85.40.34	954
980407	11:30:37 AM	0	9	0	0	0	towerhill.media.mit.edu/18.85.16.112	955
980407	11:33:13 AM	0	16	0	0	6	toby.media.mit.edu/18.85.5.89	956
980407	11:37:14 AM	600	53	1	6	70	dynamic-19.media.mit.edu/18.85.12.147	957
980407	11:39:16 AM	3550	107	8	52	257	dynamic-19.media.mit.edu/18.85.12.147	958
980407	11:53:35 AM	3400	68	8	44	364	dikdik.media.mit.edu/18.85.23.37	959
980407	11:57:57 AM	0	7	0	0	0	queensway.media.mit.edu/18.85.16.116	960
980407	12:00:17 PM	3250	148	7	41	148	195.171.37.155/195.171.37.155	961
980407	12:05:09 PM	3000	199	12	103	184	gromit.media.mit.edu/18.85.16.38	962
980407	12:08:25 PM	3100	84	5	32	99	nail-gun.media.mit.edu/18.85.1.24	963
980407	12:09:21 PM	500	40	7	59	187	nail-gun.media.mit.edu/18.85.1.24	964
980407	12:10:02 PM	750	68	1	11	39	turquoise.media.mit.edu/18.85.11.170	965

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980407	12:14:25 PM	3700	112	8	73	250	nail-gun.media.mit.edu/18.85.1.24	966
980407	12:16:47 PM	500	112	2	47	73	nightshade.media.mit.edu/18.85.16.105	967
980407	12:19:03 PM	1800	138	3	19	77	grunion.media.mit.edu/18.85.17.12	968
980407	12:19:07 PM	3450	145	8	46	227	varese.media.mit.edu/18.85.8.223	969
980407	12:24:37 PM	0	48	0	0	2	telperion.media.mit.edu/18.85.11.169	970
980407	12:25:24 PM	0	21	0	3	9	dragon-path.media.mit.edu/18.85.23.15	971
980407	12:30:47 PM	50	147	0	4	95	ge.media.mit.edu/18.85.11.175	972
980407	12:30:51 PM	0	11	0	0	1	obie.media.mit.edu/18.85.5.220	973
980407	12:31:16 PM	50	131	0	4	39	funny-farm.media.mit.edu/18.85.40.58	974
980407	12:31:56 PM	0	26	0	0	0	ge.media.mit.edu/18.85.11.175	975
980407	12:41:20 PM	2050	141	4	29	154	208.233.65.229/208.233.65.229	976
980407	1:10:37 PM	150	83	0	3	25	198.147.175.60/198.147.175.60	977
980407	1:11:32 PM	150	39	0	26	65	198.147.175.60/198.147.175.60	978
980407	1:27:17 PM	4000	165	9	54	425	ge.media.mit.edu/18.85.11.175	979
980407	1:29:28 PM	3000	70	14	84	504	ge.media.mit.edu/18.85.11.175	980
980407	1:34:15 PM	0	25	0	1	1	debden.media.mit.edu/18.85.16.212	981
980407	1:35:16 PM	3250	85	20	128	686	ge.media.mit.edu/18.85.11.175	982
980407	1:38:00 PM	4250	91	27	171	928	ge.media.mit.edu/18.85.11.175	983
980407	1:41:39 PM	0	39	0	16	30	john-muir.media.mit.edu/18.85.5.88	984
980407	1:43:03 PM	157300	136	260	1837	546	mckay.media.mit.edu/18.85.21.80	985
980407	1:43:28 PM	0	5	260	1837	546	mckay.media.mit.edu/18.85.21.80	986
980407	1:44:09 PM	1450	112	5	71	138	westham.media.mit.edu/18.85.16.53	987
980407	1:44:30 PM	3400	121	8	46	228	gate04.ny.us.ibm.com/198.133.22.21	988
980407	1:45:11 PM	2000	180	8	68	351	john-muir.media.mit.edu/18.85.5.88	989
980407	1:46:40 PM	3650	135	14	159	375	westham.media.mit.edu/18.85.16.53	990
980407	1:46:56 PM	4050	131	17	98	440	gate04.ny.us.ibm.com/198.133.22.21	991
980407	1:48:27 PM	2500	90	10	84	140	john-muir.media.mit.edu/18.85.5.88	992
980407	1:50:40 PM	4750	132	26	164	745	gate04.ny.us.ibm.com/198.133.22.21	993
980407	1:51:46 PM	3700	640	6	38	208	gate05.ny.us.ibm.com/198.133.22.22	994
980407	1:51:53 PM	4450	152	12	84	211	s01.austin.ibm.com/192.35.232.13	995
980407	1:52:32 PM	6100	333	28	247	686	westham.media.mit.edu/18.85.16.53	996
980407	2:37:39 PM	7350	67	14	182	349	tschichold.media.mit.edu/18.85.21.71	997
980407	2:39:41 PM	11100	106	31	473	798	tschichold.media.mit.edu/18.85.21.71	998
980407	3:17:47 PM	0	187	0	0	7	tschichold.media.mit.edu/18.85.21.71	999
980407	3:30:02 PM	4000	150	9	50	612	gate10.ny.us.ibm.com/198.133.22.37	1000
980407	3:35:46 PM	5950	134	11	105	430	s05.austin.ibm.com/192.35.232.115	1001
980407	3:36:00 PM	500	24	2	27	43	tschichold.media.mit.edu/18.85.21.71	1002
980407	3:36:25 PM	3750	217	9	103	298	basquiat.media.mit.edu/18.85.40.29	1003
980407	3:38:20 PM	600	3	3	33	43	tschichold.media.mit.edu/18.85.21.71	1004
980407	3:39:58 PM	450	145	1	26	65	207.92.110.134/207.92.110.134	1005
980407	3:40:04 PM	3150	49	8	107	267	tschichold.media.mit.edu/18.85.21.71	1006
980407	3:40:29 PM	9300	265	28	430	1328	s05.austin.ibm.com/192.35.232.115	1007
980407	3:42:12 PM	8950	107	21	351	658	tschichold.media.mit.edu/18.85.21.71	1008
980407	3:55:35 PM	10450	320	25	307	2298	tschichold.media.mit.edu/18.85.21.71	1009
980407	4:09:09 PM	950	177	3	83	289	tschichold.media.mit.edu/18.85.21.71	1010
980407	4:10:15 PM	4250	41	10	160	444	tschichold.media.mit.edu/18.85.21.71	1011
980407	4:12:19 PM	14900	107	34	556	1069	tschichold.media.mit.edu/18.85.21.71	1012
980407	4:15:28 PM	7600	264	16	118	413	209.82.24.234/209.82.24.234	1013
980407	4:48:29 PM	3050	309	7	54	91	BLUEBOX-315.MIT.EDU/18.162.2.132	1014
980407	5:02:57 PM	8550	848	27	221	557	BLUEBOX-315.MIT.EDU/18.162.2.132	1015
980407	5:31:29 PM	0	59	0	1	9	kgb.loc3.tandem.com/155.186.76.114	1016
980407	6:13:04 PM	1250	70	2	19	44	dhcp271.fh.trw.com/140.171.177.87	1017
980407	6:14:19 PM	1800	61	5	71	111	dhcp271.fh.trw.com/140.171.177.87	1018
980407	6:14:35 PM	0	4	5	71	111	dhcp271.fh.trw.com/140.171.177.87	1019
980407	6:15:52 PM	3150	61	12	147	302	dhcp271.fh.trw.com/140.171.177.87	1020
980407	6:20:47 PM	50	35	0	29	45	usr14-18.provide.net/207.206.120.82	1021
980407	6:21:33 PM	750	32	3	68	180	usr14-18.provide.net/207.206.120.82	1022
980407	6:23:05 PM	800	26	6	114	262	usr14-18.provide.net/207.206.120.82	1023
980407	6:26:20 PM	6750	180	19	214	715	usr14-18.provide.net/207.206.120.82	1024
980407	6:29:20 PM	4600	164	29	277	1058	usr14-18.provide.net/207.206.120.82	1025
980407	6:37:30 PM	8400	314	17	306	1476	tschichold.media.mit.edu/18.85.21.71	1026
980407	6:44:15 PM	500	85	2	29	35	205.181.121.144/205.181.121.144	1027
980407	6:46:22 PM	650	29	3	36	36	205.181.121.144/205.181.121.144	1028
980407	6:47:58 PM	3300	79	9	72	143	205.181.121.144/205.181.121.144	1029
980407	6:48:37 PM	600	21	10	115	194	205.181.121.144/205.181.121.144	1030
980407	6:50:07 PM	3000	72	15	145	273	205.181.121.144/205.181.121.144	1031
980407	6:51:28 PM	2250	66	23	237	413	205.181.121.144/205.181.121.144	1032
980407	6:52:36 PM	2400	53	27	275	493	205.181.121.144/205.181.121.144	1033
980407	6:52:58 PM	2500	26	21	332	1501	tschichold.media.mit.edu/18.85.21.71	1034
980407	6:54:20 PM	4000	89	34	326	620	205.181.121.144/205.181.121.144	1035
980407	6:55:49 PM	2700	73	39	357	716	205.181.121.144/205.181.121.144	1036
980407	6:58:21 PM	2400	137	43	381	770	205.181.121.144/205.181.121.144	1037
980407	7:00:15 PM	2950	99	49	416	920	205.181.121.144/205.181.121.144	1038
980407	7:02:50 PM	4000	112	57	466	1144	205.181.121.144/205.181.121.144	1039
980407	7:03:44 PM	9550	167	39	476	2394	tschichold.media.mit.edu/18.85.21.71	1040
980407	7:04:47 PM	3400	102	63	505	1287	205.181.121.144/205.181.121.144	1041
980407	7:05:33 PM	4850	93	49	605	2680	tschichold.media.mit.edu/18.85.21.71	1042
980407	7:15:37 PM	4650	179	57	656	2771	tschichold.media.mit.edu/18.85.21.71	1043
980407	7:18:00 PM	8650	128	76	835	3220	tschichold.media.mit.edu/18.85.21.71	1044
980407	7:20:01 PM	5850	106	88	968	3596	tschichold.media.mit.edu/18.85.21.71	1045
980407	7:22:39 PM	9200	142	105	1225	4346	tschichold.media.mit.edu/18.85.21.71	1046
980407	8:01:49 PM	2500	89	4	27	89	dyn-107-148.interval.com/199.170.107.148	1047
980407	8:02:55 PM	0	18	4	27	89	dyn-107-148.interval.com/199.170.107.148	1048
980407	8:04:29 PM	2650	77	9	59	173	dyn-107-148.interval.com/199.170.107.148	1049
980407	8:06:05 PM	13300	129	87	652	1560	205.181.121.144/205.181.121.144	1050
980407	8:07:48 PM	3050	87	93	690	1660	205.181.121.144/205.181.121.144	1051
980407	8:08:30 PM	750	28	96	741	1725	205.181.121.144/205.181.121.144	1052
980407	8:18:28 PM	0	22	0	0	0	dyn-107-119.interval.com/199.170.107.119	1053
980407	8:19:32 PM	3550	71	8	47	122	ppp-106-167.interval.com/199.170.106.167	1054
980407	8:20:17 PM	0	13	0	0	0	dyn-107-242.interval.com/199.170.107.242	1055
980407	8:22:15 PM	5050	145	17	123	329	ppp-106-167.interval.com/199.170.106.167	1056
980407	8:22:30 PM	7350	227	14	143	483	dyn-107-119.interval.com/199.170.107.119	1057
980407	8:23:42 PM	3950	72	25	172	446	ppp-106-167.interval.com/199.170.106.167	1058
980407	8:27:35 PM	850	137	2	13	41	dyn-106-120.interval.com/199.170.106.120	1059
980407	8:27:42 PM	900	72	3	54	108	guilhamet-pc.interval.com/199.170.105.38	1060
980407	8:34:50 PM	9100	408	21	298	1317	guilhamet-pc.interval.com/199.170.105.38	1061
980407	8:57:30 PM	0	64	0	0	0	dyn-105-53.interval.com/199.170.105.53	1062
980407	8:58:45 PM	3050	121	5	106	168	dyn-107-191.interval.com/199.170.107.191	1063
980407	9:32:54 PM	3450	104	7	101	221	dyn-107-100.interval.com/199.170.107.100	1064
980407	9:37:45 PM	2650	251	6	41	70	iris6.interval.com/199.170.106.62	1065
980407	9:44:13 PM	3600	68	6	43	87	lrcpc-10.ucad.edu/132.239.79.172	1066
980407	10:04:28 PM	3050	60	5	31	231	PHD.MIT.EDU/18.237.0.36	1067
980407	10:06:29 PM	3400	104	13	109	876	PHD.MIT.EDU/18.237.0.36	1068
980407	10:06:44 PM	3550	107	8	49	139	CHAVAKALI.MIT.EDU/18.237.0.39	1069

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980407	10:07:42 PM	2400	58	17	133	979	PHD.MIT.EDU/18.237.0.36	1070
980407	10:14:21 PM	14650	440	37	518	1245	CHAVAKALI.MIT.EDU/18.237.0.39	1071
980407	10:16:10 PM	2100	87	4	25	59	dyn-106-105.interval.com/199.170.106.105	1072
980407	10:17:18 PM	7600	161	56	775	1832	CHAVAKALI.MIT.EDU/18.237.0.39	1073
980407	10:24:05 PM	7700	233	14	146	496	SHIFTYDIMENSION.MIT.EDU/18.237.0.97	1074
980407	10:27:18 PM	2400	217	4	24	143	24.128.81.96/24.128.81.96	1075
980407	10:34:03 PM	100	54	0	2	11	209.143.210.201/209.143.210.201	1076
980407	10:35:06 PM	1350	54	5	63	121	209.143.210.201/209.143.210.201	1077
980407	11:14:53 PM	231100	66	380	2476	350	eisner.media.mit.edu/18.85.21.79	1078
980407	11:15:27 PM	600	19	381	2484	401	eisner.media.mit.edu/18.85.21.79	1079
980407	11:16:47 PM	3050	65	386	2555	749	eisner.media.mit.edu/18.85.21.79	1080
980407	11:19:03 PM	0	15	386	2555	749	eisner.media.mit.edu/18.85.21.79	1081
980407	11:40:45 PM	8050	98	14	168	337	tunnel-nt-endpoint-2.media.mit.edu/18.85.25.3	1082
980408	1:43:19 AM	500	7	2	27	46	tunnel-nt-endpoint-2.media.mit.edu/18.85.25.3	1083
980408	2:16:25 AM	0	13	0	0	0	hamul.gmp.usyd.edu.au/129.78.231.120	1084
980408	2:17:50 AM	0	75	0	0	2	hamul.gmp.usyd.edu.au/129.78.231.120	1085
980408	2:20:56 AM	5000	171	13	114	858	hamul.gmp.usyd.edu.au/129.78.231.120	1086
980408	8:15:27 AM	2300	54	4	28	105	host225.graypeak.com/208.224.166.225	1087
980408	8:17:30 AM	5800	107	14	144	319	host225.graypeak.com/208.224.166.225	1088
980408	10:06:05 AM	0	1	0	0	0	nordine.neog.com/207.70.119.85	1089
980408	10:30:53 AM	2100	59	6	80	148	carmel.netgen.com/206.33.100.28	1090
980408	10:56:23 AM	6050	166	13	177	300	bos-ma8-03.ix.netcom.com/199.183.202.67	1091
980408	11:05:36 AM	400	6	0	8	0	leggett.media.mit.edu/18.85.6.156	1092
980408	11:08:46 AM	1500	62	1	24	7	ruislip.media.mit.edu/18.85.16.222	1093
980408	11:09:47 AM	0	32	0	3	7	ruislip.media.mit.edu/18.85.16.222	1094
980408	11:27:29 AM	2500	121	10	107	182	gesturalia.media.mit.edu/18.85.21.59	1095
980408	11:31:54 AM	4850	249	27	257	658	gesturalia.media.mit.edu/18.85.21.59	1096
980408	12:23:59 PM	16600	174	30	237	500	tschichold.media.mit.edu/18.85.21.71	1097
980408	1:16:58 PM	1600	130	3	35	119	NDickenson.studioarchetype.com/198.31.6.41	1098
980408	1:44:43 PM	1700	86	2	27	67	208.197.5.141/208.197.5.141	1099
980408	2:43:46 PM	1550	122	3	22	315	lib7.jbhs.pvt.k12.me.us/169.244.104.9	1100
980408	2:45:08 PM	2700	68	13	112	846	lib7.jbhs.pvt.k12.me.us/169.244.104.9	1101
980408	2:48:57 PM	4750	212	26	251	2213	lib7.jbhs.pvt.k12.me.us/169.244.104.9	1102
980408	3:07:47 PM	200	45	0	6	42	dial147.panama.c-com.net/204.95.131.177	1103
980408	3:19:09 PM	4500	195	9	77	319	h23.s3.ts31.hinet.net/163.31.3.23	1104
980408	3:21:17 PM	4500	115	22	217	712	h23.s3.ts31.hinet.net/163.31.3.23	1105
980408	3:24:14 PM	1700	34	4	39	76	tschichold.media.mit.edu/18.85.21.71	1106
980408	3:32:43 PM	2950	401	6	39	420	198.36.224.178/198.36.224.178	1107
980408	3:54:26 PM	2600	200	4	33	157	206.48.41.190/206.48.41.190	1108
980408	4:11:39 PM	0	81	0	1	7	166-111-134.ipt.aol.com/152.166.111.134	1109
980408	4:20:22 PM	2100	68	8	62	205	BLAZING-TRAIL.MIT.EDU/18.251.2.96	1110
980408	4:22:11 PM	3450	93	19	187	460	BLAZING-TRAIL.MIT.EDU/18.251.2.96	1111
980408	4:25:12 PM	7800	1160	16	194	1029	tnt1-166.HiWAAY.net/208.147.147.166	1112
980408	4:25:27 PM	4850	150	37	333	938	BLAZING-TRAIL.MIT.EDU/18.251.2.96	1113
980408	4:26:27 PM	2650	60	21	270	1232	tnt1-166.HiWAAY.net/208.147.147.166	1114
980408	4:27:27 PM	1850	44	27	357	1445	tnt1-166.HiWAAY.net/208.147.147.166	1115
980408	4:29:55 PM	7900	176	18	132	253	205.181.121.144/205.181.121.144	1116
980408	4:36:37 PM	8950	329	37	282	605	205.181.121.144/205.181.121.144	1117
980408	4:50:42 PM	1350	94	3	37	184	198.104.40.27/198.104.40.27	1118
980408	4:53:21 PM	3450	142	9	84	659	198.104.40.27/198.104.40.27	1119
980408	4:58:07 PM	9950	272	30	336	1632	198.104.40.27/198.104.40.27	1120
980408	5:00:16 PM	500	40	2	42	106	eucalyptus.pingsite.com/205.216.250.100	1121
980408	5:02:11 PM	3750	88	11	161	334	eucalyptus.pingsite.com/205.216.250.100	1122
980408	5:02:30 PM	6950	246	46	528	2631	198.104.40.27/198.104.40.27	1123
980408	5:03:25 PM	200	208	0	21	43	max1-190.public.uni-hamburg.de/134.100.43.190	1124
980408	5:05:20 PM	10750	151	18	263	892	tschichold.media.mit.edu/18.85.21.71	1125
980408	5:06:38 PM	6150	207	13	136	269	ENS340-08.ece.utexas.edu/146.6.101.158	1126
980408	5:12:54 PM	13650	248	64	489	1030	205.181.121.144/205.181.121.144	1127
980408	5:14:30 PM	5950	201	14	81	288	www.taiwanshopping.com/206.149.145.168	1128
980408	5:25:44 PM	15450	417	33	406	2800	205.181.121.144/205.181.121.144	1129
980408	5:28:02 PM	22300	18	37	225	24	cooper.media.mit.edu/18.85.21.70	1130
980408	5:28:40 PM	600	16	38	247	97	cooper.media.mit.edu/18.85.21.70	1131
980408	5:29:50 PM	50250	27	83	536	34	mckay.media.mit.edu/18.85.21.80	1132
980408	5:30:07 PM	9100	246	54	616	4208	205.181.121.144/205.181.121.144	1133
980408	5:31:21 PM	1200	74	4	56	244	dialup05.kortrijk.eunet.be/193.74.5.5	1134
980408	5:32:43 PM	2250	65	9	119	422	dialup05.kortrijk.eunet.be/193.74.5.5	1135
980408	5:34:28 PM	10250	247	78	807	5607	205.181.121.144/205.181.121.144	1136
980408	5:52:06 PM	4350	297	13	86	365	ctc7-71.flash.net/208.194.201.71	1137
980408	5:54:41 PM	2600	139	5	34	450	ctc7-71.flash.net/208.194.201.71	1138
980408	6:08:29 PM	3750	75	8	45	227	lego.ftp.com/128.127.125.56	1139
980408	6:20:24 PM	35750	279	66	775	1009	bos-ma8-03.ix.netcom.com/199.183.202.67	1140
980408	6:24:49 PM	11200	442	25	371	1723	h15.s2.ts31.hinet.net/163.31.2.15	1141
980408	6:26:28 PM	2800	64	7	112	226	h15.s2.ts31.hinet.net/163.31.2.15	1142
980408	6:51:12 PM	6750	82	13	137	329	frutiger.media.mit.edu/18.85.21.72	1143
980408	7:22:40 PM	1250	94	5	43	537	134.54.1.16/134.54.1.16	1144
980408	7:23:37 PM	1000	41	4	74	214	134.54.1.16/134.54.1.16	1145
980408	8:09:39 PM	2450	169	7	80	483	172-20-34.ipt.aol.com/152.172.20.34	1146
980408	8:10:42 PM	3600	142	7	47	155	javery.ne.mediaone.net/24.128.112.159	1147
980408	8:13:34 PM	3400	147	8	80	309	unknown-123-168.evolveinc.com/198.70.123.168	1148
980408	8:14:55 PM	9150	296	31	194	2802	172-20-34.ipt.aol.com/152.172.20.34	1149
980408	8:16:39 PM	2200	57	7	58	178	unknown-123-168.evolveinc.com/198.70.123.168	1150
980408	8:45:03 PM	4650	108	13	120	298	dyn-107-157.interval.com/199.170.107.157	1151
980408	8:55:13 PM	3550	112	7	103	189	klai.ee.StCloudState.edu/199.17.39.249	1152
980408	8:56:09 PM	1450	41	3	23	79	klai.ee.StCloudState.edu/199.17.39.249	1153
980408	8:58:01 PM	3150	97	7	39	95	klai.ee.StCloudState.edu/199.17.39.249	1154
980408	8:59:40 PM	2000	84	7	108	190	klai.ee.StCloudState.edu/199.17.39.249	1155
980408	9:04:46 PM	2750	436	11	96	380	mmolta.student.Princeton.EDU/140.180.166.19	1156
980408	9:05:50 PM	7250	355	14	429	1397	klai.ee.StCloudState.edu/199.17.39.249	1157
980408	9:09:54 PM	3650	100	6	37	174	unknown-123-168.evolveinc.com/198.70.123.168	1158
980408	9:11:15 PM	3100	64	11	97	174	unknown-123-168.evolveinc.com/198.70.123.168	1159
980408	9:15:45 PM	9800	255	23	187	744	unknown-123-168.evolveinc.com/198.70.123.168	1160
980408	9:25:40 PM	11600	312	25	273	767	unknown-123-168.evolveinc.com/198.70.123.168	1161
980408	9:43:35 PM	0	33	0	0	1	mother.metapath.com/207.14.52.251	1162
980408	10:00:10 PM	0	124	0	4	15	sdsh2-125.flash.net/209.30.92.125	1163
980408	10:35:44 PM	1000	161	4	48	330	1Oust12.tnt14.nyc3.da.uu.net/153.37.142.12	1164
980408	10:40:11 PM	2500	216	10	118	927	1Oust12.tnt14.nyc3.da.uu.net/153.37.142.12	1165
980408	10:56:10 PM	12750	317	24	380	927	CHAVAKALI.MIT.EDU/18.237.0.39	1166
980408	11:02:57 PM	16000	392	32	492	1323	CHAVAKALI.MIT.EDU/18.237.0.39	1167
980408	11:56:09 PM	1500	38	6	67	389	157.dallas-02.tx.dial-access.att.net/12.67.1.157	1168
980408	11:57:07 PM	2300	43	4	28	101	157.dallas-02.tx.dial-access.att.net/12.67.1.157	1169
980409	1:25:41 AM	750	47	3	34	57	matrix.media.mit.edu/18.85.23.44	1170
980409	1:27:52 AM	5150	117	9	70	194	matrix.media.mit.edu/18.85.23.44	1171
980409	1:28:49 AM	2200	40	4	57	75	matrix.media.mit.edu/18.85.23.44	1172
980409	1:33:17 AM	14450	391	30	385	1050	pc-33516.on.rogers.wave.ca/24.112.34.115	1173

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980409	1:44:23 AM	29250	651	52	652	3090	pc-33516.on.rogers.wave.ca/24.112.34.115	1174
980409	1:54:57 AM	28400	622	47	707	2938	pc-33516.on.rogers.wave.ca/24.112.34.115	1175
980409	2:48:10 AM	3100	508	11	112	1659	irv-ca40-04.ix.netcom.com/207.223.167.68	1176
980409	2:53:36 AM	12250	308	49	313	876	irv-ca40-04.ix.netcom.com/207.223.167.68	1177
980409	3:25:42 AM	55500	1909	222	1169	3282	irv-ca40-04.ix.netcom.com/207.223.167.68	1178
980409	3:29:37 AM	0	62	0	0	10	166-103-85.ipt.aol.com/152.166.103.85	1179
980409	3:35:51 AM	0	43	0	0	2	flute01.orchestra.cse.unsw.EDU.AU/129.94.236.11	1180
980409	4:40:00 AM	1050	161	3	38	112	wildcard.strong-funds.com/204.154.227.254	1181
980409	5:09:54 AM	2000	284	8	71	248	cmtn012p10.mtn.micron.net/207.70.25.28	1182
980409	5:54:43 AM	0	47	0	4	10	firewall-telegraaf.cistron.nl/195.64.66.134	1183
980409	8:49:40 AM	7350	89	14	158	421	mckay.media.mit.edu/18.85.21.80	1184
980409	9:49:32 AM	8150	241	15	193	446	stargate.whro.net/198.78.178.11	1185
980409	10:29:29 AM	8750	238	21	179	721	200.241.194.9/200.241.194.9	1186
980409	10:44:14 AM	500	80	2	44	81	HANNAS-PC.MIT.EDU/18.236.0.21	1187
980409	10:44:49 AM	250	20	0	5	5	HANNAS-PC.MIT.EDU/18.236.0.21	1188
980409	10:47:03 AM	3600	94	6	36	103	HANNAS-PC.MIT.EDU/18.236.0.21	1189
980409	10:48:18 AM	3850	59	7	41	165	HANNAS-PC.MIT.EDU/18.236.0.21	1190
980409	10:49:24 AM	3000	51	5	49	114	HANNAS-PC.MIT.EDU/18.236.0.21	1191
980409	11:11:45 AM	3650	110	7	53	227	205.182.92.105/205.182.92.105	1192
980409	11:19:32 AM	3650	314	6	64	506	dfs1.hq.eso.org/134.171.3.12	1193
980409	11:24:33 AM	8200	286	23	221	763	dfs1.hq.eso.org/134.171.3.12	1194
980409	12:38:31 PM	0	17	0	0	2	M66-080-20.MIT.EDU/18.63.1.20	1195
980409	12:40:27 PM	11900	398	23	482	2482	igarashi.media.mit.edu/18.85.21.69	1196
980409	1:07:25 PM	1350	104	4	28	115	207.201.60.30/207.201.60.30	1197
980409	1:25:31 PM	7750	177	17	114	471	209.19.2.203/209.19.2.203	1198
980409	2:32:21 PM	10650	265	23	235	1297	unknown-123-168.evolveinc.com/198.70.123.168	1199
980409	3:45:44 PM	3150	153	7	41	165	ts015d12.lap-ca.concentric.net/206.173.172.216	1200
980409	3:47:58 PM	1500	102	3	24	90	computercountry.com/206.28.174.11	1201
980409	3:49:17 PM	8600	198	19	181	348	ts015d12.lap-ca.concentric.net/206.173.172.216	1202
980409	4:27:47 PM	10000	196	26	204	1024	unknown-123-168.evolveinc.com/198.70.123.168	1203
980409	5:14:40 PM	2900	175	6	41	157	pm14-88.orf.infi.net/209.97.11.88	1204
980409	5:16:18 PM	6150	164	15	169	351	stm-ct7-21.ix.netcom.com/205.184.161.53	1205
980409	5:27:42 PM	8050	198	16	214	420	ct-4-sim-ppp33.kwic.com/209.47.103.43	1206
980409	5:57:30 PM	6150	82	12	149	407	209.19.2.203/209.19.2.203	1207
980409	5:58:13 PM	5750	182	14	87	436	p14.ts2.hartf.CT.tiac.com/207.60.201.47	1208
980409	6:09:06 PM	0	141	0	12	15	tiny.allpen.com/209.19.2.184	1209
980409	6:14:14 PM	9900	252	21	228	567	ct-2-sim-ppp42.kwic.com/205.150.58.116	1210
980409	6:19:31 PM	7550	200	16	159	359	tiny.allpen.com/209.19.2.184	1211
980409	6:26:12 PM	5250	60	9	91	224	209.19.2.203/209.19.2.203	1212
980409	6:27:20 PM	800	50	1	12	31	dial07.dcc.ufmg.br/150.164.10.187	1213
980409	6:30:42 PM	6950	110	12	110	369	209.19.2.203/209.19.2.203	1214
980409	6:40:18 PM	6850	107	12	177	317	209.19.2.203/209.19.2.203	1215
980409	6:41:24 PM	3000	47	6	36	155	209.19.2.203/209.19.2.203	1216
980409	6:44:10 PM	7700	107	15	258	571	209.19.2.203/209.19.2.203	1217
980409	7:12:37 PM	1500	83	4	67	194	tiny.allpen.com/209.19.2.184	1218
980409	8:31:39 PM	6250	74	10	136	329	tunnel-nt-endpoint-2.media.mit.edu/18.85.25.3	1219
980409	9:32:32 PM	7000	239	16	182	1177	ip-22-217.phx.primenet.com/206.165.22.217	1220
980409	9:36:48 PM	1800	154	3	25	474	236.louisville-01.ky.dial-access.att.net/12.66.68.236	1222
980409	9:43:14 PM	2900	100	6	37	51	236.louisville-01.ky.dial-access.att.net/12.66.68.236	1223
980410	12:38:03 AM	5350	139	13	89	358	s24-pm35.anwestsac.campus.mci.net/208.155.133.203	1224
980410	12:39:25 AM	3000	67	5	32	108	s24-pm35.anwestsac.campus.mci.net/208.155.133.203	1225
980410	6:47:11 AM	2250	84	9	78	204	cybers140d140.mt.wave.shaw.ca/24.64.140.140	1226
980410	6:51:23 AM	4150	234	8	47	985	cybers140d140.mt.wave.shaw.ca/24.64.140.140	1227
980410	7:07:06 AM	0	48	0	3	4	t2o2p49.telia.com/195.67.242.109	1228
980410	7:58:48 AM	5450	214	11	120	810	cybers140d140.mt.wave.shaw.ca/24.64.140.140	1229
980410	8:29:26 AM	3850	112	7	50	139	194.250.165.5/194.250.165.5	1230
980410	8:29:27 AM	0	4	0	0	0	194.250.165.5/194.250.165.5	1231
980410	8:38:09 AM	3650	80	7	48	178	fyldiml10.student2.ul.ie/136.201.131.226	1232
980410	8:40:45 AM	4700	139	9	114	236	fyldiml10.student2.ul.ie/136.201.131.226	1233
980410	8:45:15 AM	4950	267	11	97	417	ts1-23.odyssey.on.ca/209.47.193.167	1234
980410	8:52:04 AM	7600	220	15	132	362	ts3-16.odyssey.on.ca/209.47.193.16	1235
980410	8:56:59 AM	2950	58	6	35	70	205.247.200.202/205.247.200.202	1236
980410	9:51:47 AM	0	70	0	0	1	cn153.centralnet.ch/193.246.195.53	1237
980410	10:10:53 AM	3200	128	7	40	456	205.247.200.201/205.247.200.201	1238
980410	10:11:53 AM	3250	212	8	50	161	user-381c8on.dialup.mindspring.com/209.86.35.23	1239
980410	10:26:29 AM	0	85	0	13	45	199.6.62.24/199.6.62.24	1240
980410	10:27:44 AM	850	57	2	12	33	199.6.62.24/199.6.62.24	1241
980410	10:30:24 AM	2950	143	8	61	229	199.6.62.24/199.6.62.24	1242
980410	10:33:28 AM	6150	168	16	141	294	199.6.62.24/199.6.62.24	1243
980410	10:37:52 AM	9150	238	19	193	434	199.6.62.24/199.6.62.24	1244
980410	10:42:25 AM	2400	103	4	25	55	kali.rdg.ac.uk/192.133.244.39	1245
980410	11:49:14 AM	4250	223	8	62	536	p15-puffback-gui.tch.virgin.net/194.168.68.195	1246
980410	11:55:18 AM	7800	176	16	147	457	wireless-39.media.mit.edu/18.85.18.39	1247
980410	11:55:57 AM	9250	385	22	204	789	p15-puffback-gui.tch.virgin.net/194.168.68.195	1248
980410	11:58:26 AM	3950	131	7	81	316	p15-puffback-gui.tch.virgin.net/194.168.68.195	1249
980410	12:52:47 PM	7400	259	15	134	375	ppp-207-215-163-86.grdn01.pacbell.net/207.215.163.86	1250
980410	1:35:45 PM	3800	137	9	56	127	207.0.45.110/207.0.45.110	1251
980410	1:54:44 PM	600	92	1	12	37	newton.irit.fr/141.115.20.18	1252
980410	2:39:32 PM	4850	167	12	112	249	199.6.62.24/199.6.62.24	1253
980410	2:44:24 PM	9100	274	19	217	354	199.6.62.24/199.6.62.24	1254
980410	3:00:59 PM	9300	77	15	181	356	kirby.media.mit.edu/18.85.21.34	1255
980410	3:01:20 PM	3500	117	7	44	256	sp8.math.umn.edu/160.94.6.136	1256
980410	3:03:43 PM	4700	126	9	100	604	sp8.math.umn.edu/160.94.6.136	1257
980410	3:04:42 PM	2100	44	8	110	223	sp8.math.umn.edu/160.94.6.136	1258
980410	3:31:05 PM	1800	30	3	18	57	cooper.media.mit.edu/18.85.21.70	1259
980410	3:40:24 PM	3000	66	5	35	79	207.22.198.35/207.22.198.35	1260
980410	3:43:49 PM	3600	89	6	42	131	main-x.concert.com/206.151.112.40	1261
980410	4:27:08 PM	4600	176	12	105	427	206.239.116.83/206.239.116.83	1262
980410	4:33:13 PM	8750	350	26	192	834	206.239.116.83/206.239.116.83	1263
980410	4:40:42 PM	10350	298	26	207	580	206.239.116.83/206.239.116.83	1264
980410	4:43:10 PM	2900	122	6	42	157	207.49.36.90/207.49.36.90	1265
980410	4:43:37 PM	3250	93	6	43	84	xtsd0406.it.wsu.edu/134.121.3.66	1266
980410	5:19:05 PM	650	136	2	34	107	sea-ts7-p39.wolfenet.com/204.157.101.165	1267
980410	5:20:21 PM	0	50	0	0	0	host97.yagosys.com/207.135.89.97	1268
980410	5:23:01 PM	4950	220	17	151	370	sea-ts7-p39.wolfenet.com/204.157.101.165	1269
980410	5:26:13 PM	0	26	0	0	1	popinac.itc.nrcs.usda.gov/162.79.106.240	1270
980410	5:26:46 PM	5200	305	11	73	175	host97.yagosys.com/207.135.89.97	1271
980410	5:28:08 PM	2100	99	4	26	158	popinac.itc.nrcs.usda.gov/162.79.106.240	1272
980410	5:32:31 PM	2900	72	6	38	107	popinac.itc.nrcs.usda.gov/162.79.106.240	1273
980410	5:36:08 PM	300	61	1	24	62	173-73-53.ipt.aol.com/152.173.73.53	1274
980410	5:40:19 PM	3750	461	8	45	231	206.135.144.9/206.135.144.9	1275
980410	5:42:46 PM	9100	249	15	243	521	173-73-53.ipt.aol.com/152.173.73.53	1276
980410	5:45:01 PM	11750	424	28	266	908	206.239.116.4/206.239.116.4	1277
980410	5:48:49 PM	600	55	1	6	23	frutiger.media.mit.edu/18.85.21.72	1278

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980410	5:50:15 PM	4100	70	8	49	182	frutiger.media.mit.edu/18.85.21.72	1279
980410	5:53:16 PM	5800	165	16	139	1189	frutiger.media.mit.edu/18.85.21.72	1280
980410	5:53:27 PM	11800	238	20	343	629	18.85.14.163/18.85.14.163	1281
980410	5:57:09 PM	6900	217	22	182	1613	frutiger.media.mit.edu/18.85.21.72	1282
980410	5:58:39 PM	3900	75	9	88	421	frutiger.media.mit.edu/18.85.21.72	1283
980410	5:59:38 PM	14650	327	25	425	1065	18.85.14.163/18.85.14.163	1284
980410	6:05:25 PM	18450	391	39	565	2959	frutiger.media.mit.edu/18.85.21.72	1285
980410	6:45:13 PM	2400	142	4	24	514	207.113.114.70/207.113.114.70	1286
980410	6:57:29 PM	250	45	0	6	22	proxy.xpenses.com/207.153.167.4	1287
980410	6:58:54 PM	4000	155	8	54	243	dyn-107-250.interval.com/199.170.107.250	1288
980410	6:59:16 PM	5350	177	13	79	273	amarenth.lyn.net/207.150.17.10	1289
980410	6:59:37 PM	1500	169	6	65	163	204.179.66.99/204.179.66.99	1290
980410	7:05:26 PM	15600	351	29	434	945	amarenth.lyn.net/207.150.17.10	1291
980410	7:08:45 PM	5350	308	12	93	632	204.179.66.99/204.179.66.99	1292
980410	7:37:07 PM	5250	171	14	92	385	c2p18.dialin.iupui.edu/134.68.241.68	1293
980410	7:48:57 PM	3300	97	5	38	124	206.129.250.168/206.129.250.168	1294
980410	7:50:57 PM	3400	105	8	44	226	206.129.250.168/206.129.250.168	1295
980410	8:03:30 PM	3550	157	8	68	208	207.15.215.155/207.15.215.155	1296
980410	8:05:47 PM	4150	121	8	72	217	207.15.215.155/207.15.215.155	1297
980410	8:07:22 PM	2400	79	4	34	88	207.15.215.155/207.15.215.155	1298
980410	8:08:38 PM	1500	82	6	81	165	slip-32-100-52-146.ms.us.ibm.net/32.100.52.146	1299
980410	8:11:08 PM	4250	134	9	123	520	slip-32-100-52-146.ms.us.ibm.net/32.100.52.146	1300
980410	8:14:05 PM	4750	138	10	101	533	slip-32-100-52-146.ms.us.ibm.net/32.100.52.146	1301
980410	8:17:01 PM	850	29	1	11	20	scirocco.media.mit.edu/18.85.5.87	1302
980410	8:17:14 PM	1050	82	4	39	191	dial15.gtn.net/207.176.194.115	1303
980410	8:22:03 PM	1750	59	7	91	220	storm01p07.storm.ca/207.245.246.7	1304
980410	8:23:43 PM	1400	84	2	16	231	storm01p07.storm.ca/207.245.246.7	1305
980410	8:24:45 PM	1000	46	4	66	126	storm01p07.storm.ca/207.245.246.7	1306
980410	8:24:59 PM	4950	107	19	146	278	dial15.gtn.net/207.176.194.115	1307
980410	8:26:29 PM	1200	88	2	27	218	storm01p07.storm.ca/207.245.246.7	1308
980410	8:27:02 PM	3750	107	15	126	267	dial15.gtn.net/207.176.194.115	1309
980410	8:27:27 PM	6850	156	16	162	331	usr8-dialup34.mix2.Boston.mci.net/166.55.68.226	1310
980410	8:27:56 PM	1200	38	4	82	143	dial15.gtn.net/207.176.194.115	1311
980410	8:28:57 PM	4250	133	10	74	342	storm01p07.storm.ca/207.245.246.7	1312
980410	8:30:38 PM	2600	84	10	88	461	storm01p07.storm.ca/207.245.246.7	1313
980410	8:31:26 PM	9650	223	20	243	362	usr8-dialup34.mix2.Boston.mci.net/166.55.68.226	1314
980410	8:34:53 PM	5150	233	10	91	899	storm01p07.storm.ca/207.245.246.7	1315
980410	8:35:31 PM	9550	229	22	220	462	usr8-dialup34.mix2.Boston.mci.net/166.55.68.226	1316
980410	8:36:17 PM	1550	54	5	78	162	storm01p07.storm.ca/207.245.246.7	1317
980410	8:38:47 PM	5250	162	12	88	378	usr8-dialup34.mix2.Boston.mci.net/166.55.68.226	1318
980410	8:39:03 PM	8600	252	17	224	857	198.104.40.27/198.104.40.27	1319
980410	8:39:39 PM	13950	687	48	318	2070	dial15.gtn.net/207.176.194.115	1320
980410	8:41:14 PM	3000	206	5	35	219	storm01p07.storm.ca/207.245.246.7	1321
980410	8:43:03 PM	8550	224	18	194	701	198.104.40.27/198.104.40.27	1322
980410	8:44:07 PM	2400	155	4	26	364	storm01p07.storm.ca/207.245.246.7	1323
980410	8:49:33 PM	12650	390	31	337	793	ascend104.lkdllink.net/206.10.52.153	1324
980410	9:47:09 PM	1950	144	5	30	121	pm2-p77.Bayou.COM/208.143.113.77	1325
980410	9:50:22 PM	400	84	0	24	45	oak-usr4-31-31.dialup.slip.net/209.152.137.31	1326
980410	10:04:22 PM	4500	139	11	78	589	204.245.216.16/204.245.216.16	1327
980410	10:04:22 PM	8050	371	17	193	569	1Qust88.max48.chicago.il.ms.uu.net/153.35.122.88	1328
980410	10:07:11 PM	4900	113	14	134	410	204.245.216.16/204.245.216.16	1329
980410	10:11:14 PM	6300	226	17	207	1372	204.245.216.16/204.245.216.16	1330
980410	10:20:37 PM	0	42	0	0	0	c020h153.ipdorm.reed.edu/134.10.20.153	1331
980410	10:34:07 PM	0	181	0	29	31	tor1-30.uninet.net.mx/200.38.205.30	1332
980410	10:41:38 PM	6650	221	21	140	437	1Qust112.tnt2.kcy1.da.uu.net/208.250.180.112	1333
980410	11:05:12 PM	0	147	0	0	9	kit-on1-18.netcom.ca/207.181.77.82	1334
980410	11:32:50 PM	5700	166	13	103	622	p134.sunbeach.net/205.214.199.156	1335
980410	11:41:40 PM	3650	294	6	54	383	202.186.53.130/202.186.53.130	1336
980411	12:04:32 AM	3600	259	13	101	844	cc1007196-a.hwrd1.md.home.com/24.3.17.161	1337
980411	12:04:47 AM	3400	168	8	45	157	ppp-max1-50.grin.net/208.202.191.50	1338
980411	12:09:47 AM	9550	262	20	206	355	ppp-max1-50.grin.net/208.202.191.50	1339
980411	12:10:22 AM	5800	272	15	137	1255	cc1007196-a.hwrd1.md.home.com/24.3.17.161	1340
980411	12:45:36 AM	5200	207	20	137	397	1Qust98.tnt4.seal.da.uu.net/208.253.68.98	1341
980411	1:21:26 AM	5150	183	10	143	404	ppp-207-193-210-26.hstntx.swbell.net/207.193.210.26	1342
980411	1:24:28 AM	11400	458	30	229	686	ppp-477.tig.com.au/207.214.7.222	1343
980411	1:30:07 AM	3200	138	6	43	139	ts3-5.slip.uwo.ca/129.100.99.235	1344
980411	2:54:47 AM	5750	577	16	127	930	indigo22.arsc.edu/137.229.75.122	1345
980411	2:58:58 AM	4800	232	15	149	509	indigo22.arsc.edu/137.229.75.122	1346
980411	3:39:34 AM	3000	44	5	30	47	HANNAS-PC.MIT.EDU/18.236.0.21	1347
980411	3:41:29 AM	4200	99	7	90	128	HANNAS-PC.MIT.EDU/18.236.0.21	1348
980411	3:43:52 AM	7400	127	14	135	243	HANNAS-PC.MIT.EDU/18.236.0.21	1349
980411	4:20:34 AM	1900	263	7	74	249	ibb0233.ibb.ruu.nl/131.211.124.233	1350
980411	4:33:36 AM	1800	112	5	60	121	203.38.133.103/203.38.133.103	1351
980411	4:34:03 AM	12200	792	32	271	821	ibb0233.ibb.ruu.nl/131.211.124.233	1352
980411	4:36:57 AM	4000	185	9	89	592	203.38.133.103/203.38.133.103	1353
980411	4:42:16 AM	8550	302	22	237	714	203.38.133.103/203.38.133.103	1354
980411	4:51:16 AM	14950	523	30	455	1393	203.38.133.103/203.38.133.103	1355
980411	4:59:06 AM	17050	455	34	404	1395	203.38.133.103/203.38.133.103	1356
980411	5:21:48 AM	3850	106	8	47	120	s176.modempool.kth.se/130.237.37.102	1357
980411	5:30:06 AM	15950	482	36	379	1035	s176.modempool.kth.se/130.237.37.102	1358
980411	5:41:20 AM	0	95	0	3	16	cvap08.nada.kth.se/130.237.218.77	1359
980411	5:42:38 AM	8100	146	17	165	387	dialup236-1-41.swipnet.se/130.244.236.41	1360
980411	6:36:30 AM	4650	153	10	61	176	xtad0412.it.wsu.edu/134.121.3.72	1361
980411	6:58:47 AM	1500	195	6	81	252	143.233.119.38/143.233.119.38	1362
980411	7:59:04 AM	3400	380	7	45	275	ppp-9.ts-1.pro.idt.net/169.132.225.9	1363
980411	8:12:39 AM	1200	47	2	12	50	hopkins.cs.jyu.fi/130.234.49.78	1364
980411	9:10:15 AM	1250	81	2	13	96	pythia-ppp10.ccf.auth.gr/155.207.1.234	1365
980411	9:13:01 AM	4200	134	9	55	242	pythia-ppp10.ccf.auth.gr/155.207.1.234	1366
980411	9:52:39 AM	11450	588	26	315	793	pm62-32.image.dk/194.234.60.96	1367
980411	10:34:59 AM	7350	168	14	132	181	199.6.62.21/199.6.62.21	1368
980411	10:40:12 AM	7000	160	14	106	205	199.6.62.21/199.6.62.21	1369
980411	10:43:34 AM	5600	152	14	118	477	patricke.ne.mediaone.net/24.128.52.89	1370
980411	11:24:42 AM	7300	222	27	191	583	tc1-23.utah-inter.net/208.14.200.33	1371
980411	11:28:23 AM	6700	173	18	179	419	tc1-23.utah-inter.net/208.14.200.33	1372
980411	11:36:02 AM	11600	424	31	237	905	tc1-23.utah-inter.net/208.14.200.33	1373
980411	12:55:23 PM	3750	203	9	56	180	cx51872-a.alsv1.occa.home.com/24.1.166.129	1374
980411	12:57:47 PM	4850	132	10	78	280	cx51872-a.alsv1.occa.home.com/24.1.166.129	1375
980411	1:04:51 PM	1800	177	3	20	137	slc120h.modem.xmission.com/166.70.9.120	1376
980411	2:22:06 PM	4250	157	9	64	345	ppp-ft12-47.netrox.net/204.253.5.47	1377
980411	2:25:38 PM	4300	198	10	90	857	ppp-ft12-47.netrox.net/204.253.5.47	1378
980411	2:32:46 PM	3150	347	5	33	66	oak-alg-gw2-2.ncal.verio.com/207.21.138.65	1379
980411	2:37:42 PM	4050	277	9	51	130	oak-alg-gw2-2.ncal.verio.com/207.21.138.65	1380
980411	2:53:05 PM	7600	321	24	130	444	oak-alg-gw2-2.ncal.verio.com/207.21.138.65	1381
980411	3:09:32 PM	1450	78	5	63	131	0310BCB010.eecom.gatech.edu/130.207.239.10	1382

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980411	3:11:32 PM	3100	111	6	38	206	bhd1-s5.mtl.colba.net/209.89.92.15	1383
980411	3:17:23 PM	8800	333	19	144	491	bhd1-s5.mtl.colba.net/209.89.92.15	1384
980411	3:55:44 PM	2950	202	6	40	193	modem63.kimbanet.com/208.6.38.170	1385
980411	5:03:42 PM	3550	99	7	48	233	pdx94-b48-45.teleport.com/198.106.152.123	1386
980411	5:14:45 PM	4050	88	10	58	174	ap-08.netexpress.ee/194.204.2.138	1387
980411	5:37:15 PM	3850	136	8	116	497	PHD.MIT.EDU/18.237.0.36	1388
980411	5:38:41 PM	3850	58	7	47	261	PHD.MIT.EDU/18.237.0.36	1389
980411	5:58:58 PM	3000	50	5	30	90	dreams.media.mit.edu/18.85.21.31	1390
980411	6:01:31 PM	6200	138	13	137	401	dreams.media.mit.edu/18.85.21.31	1391
980411	7:28:11 PM	3050	138	11	130	378	ts3ip112.cadvision.com/207.228.66.112	1392
980411	8:00:55 PM	5300	201	12	132	470	ppp-2-48.infonie.be/212.232.2.48	1393
980411	8:03:25 PM	4850	261	11	64	234	202-218-168.ipt.aol.com/152.202.218.168	1394
980411	8:07:32 PM	11400	293	23	404	753	ppp-2-48.infonie.be/212.232.2.48	1395
980411	8:14:46 PM	2550	105	6	45	80	power.comcon.kiev.ua/195.5.24.194	1396
980411	8:55:10 PM	8600	359	19	166	740	1Oust55.max48.chicago.il.ms.uu.net/153.35.122.55	1397
980411	9:03:02 PM	9700	456	20	285	1003	1Oust55.max48.chicago.il.ms.uu.net/153.35.122.55	1398
980411	9:17:46 PM	2000	103	5	49	212	p2-30.z016.glo.be/206.48.181.94	1399
980411	9:19:17 PM	2450	57	5	31	121	p2-30.z016.glo.be/206.48.181.94	1400
980411	9:21:21 PM	2250	85	4	45	138	p2-30.z016.glo.be/206.48.181.94	1401
980411	10:32:35 PM	7300	242	18	132	451	ts003d17.ksc-mo.concentric.net/206.173.129.77	1402
980411	10:44:40 PM	3400	252	8	51	316	fctntsO1c43.nbnet.nb.ca/198.164.201.49	1403
980411	10:53:40 PM	7650	528	25	197	1477	fctntsO1c43.nbnet.nb.ca/198.164.201.49	1404
980411	11:24:09 PM	3550	97	8	65	111	e-stancu.tel.insa-lyon.fr/134.214.61.117	1405
980411	11:26:36 PM	2650	181	5	84	154	max1-34.netinc.ca/205.211.8.98	1406
980411	11:28:29 PM	600	52	2	29	47	max1-34.netinc.ca/205.211.8.98	1407
980411	11:58:15 PM	3250	117	6	41	131	206.101.127.92/206.101.127.92	1408
980411	11:59:53 PM	2750	81	5	38	101	206.101.127.92/206.101.127.92	1409
980412	12:02:25 AM	0	1	0	0	0	ppp-x9-1.ecn.purdue.edu/128.46.112.1	1410
980412	12:03:07 AM	10400	342	22	281	712	dd45-248.dub.compuserve.com/199.174.177.248	1411
980412	1:04:37 AM	19250	950	48	559	3050	205.181.121.156/205.181.121.156	1412
980412	1:04:59 AM	0	128	0	7	21	175-240-253.ipt.aol.com/152.175.240.253	1413
980412	1:06:23 AM	900	67	1	12	31	175-240-253.ipt.aol.com/152.175.240.253	1414
980412	1:08:09 AM	500	89	2	35	166	175-240-253.ipt.aol.com/152.175.240.253	1415
980412	1:10:26 AM	3750	118	15	92	281	175-240-253.ipt.aol.com/152.175.240.253	1416
980412	1:12:39 AM	750	58	1	9	69	175-240-253.ipt.aol.com/152.175.240.253	1417
980412	4:18:03 AM	5700	200	12	135	397	hh2133062.direcpc.com/207.168.133.62	1418
980412	6:19:31 AM	3200	227	7	104	396	pC19E9562.dip.t-online.de/193.158.149.98	1419
980412	6:37:44 AM	3000	122	6	44	269	user33-i.erlangen.netsurf.de/194.163.170.225	1420
980412	9:12:58 AM	5200	167	13	104	500	pve-pm3-4-200.harborcom.net/208.4.184.200	1421
980412	9:19:19 AM	29950	623	52	728	1593	glum.media.mit.edu/18.85.25.34	1422
980412	9:29:30 AM	100	50	0	2	10	cybers141d94.mt.wave.shaw.ca/24.64.141.94	1423
980412	9:42:09 AM	3100	50	5	35	88	195.67.46.122/195.67.46.122	1424
980412	10:37:14 AM	5050	211	11	101	299	ppp92.vif.com/207.219.108.92	1425
980412	10:46:28 AM	850	50	2	11	29	ppp92.vif.com/207.219.108.92	1426
980412	10:46:44 AM	7100	224	15	156	321	ppp11040.telecom.alles.or.jp/203.139.97.104	1427
980412	12:02:03 PM	5100	243	13	106	449	dialup46.tnt00.livenet.net/206.156.31.47	1428
980412	1:12:55 PM	650	91	1	7	36	dial151.bway.net/205.198.117.151	1429
980412	1:15:50 PM	4550	159	12	122	308	dial151.bway.net/205.198.117.151	1430
980412	1:23:45 PM	1000	106	2	17	58	BAA.MIT.EDU/18.241.1.64	1431
980412	1:31:10 PM	3200	99	5	81	183	BAA.MIT.EDU/18.241.1.64	1432
980412	1:42:14 PM	4750	211	13	139	479	Tel-Aviv-194-180.access.net.il/192.116.194.180	1433
980412	1:43:46 PM	3000	75	9	116	365	Tel-Aviv-194-180.access.net.il/192.116.194.180	1434
980412	3:49:24 PM	5800	471	20	184	1839	BETSYM.MIT.EDU/18.63.1.89	1435
980412	3:56:36 PM	0	143	0	13	17	ppp-annex-0614.mtl.total.net/205.236.55.96	1436
980412	4:00:03 PM	3400	262	13	136	355	BETSYM.MIT.EDU/18.63.1.89	1437
980412	4:01:18 PM	17300	449	35	485	1075	n105h038.thezone.net/198.165.105.38	1438
980412	4:06:59 PM	14100	325	38	357	999	n105h038.thezone.net/198.165.105.38	1439
980412	5:36:44 PM	100	96	0	2	76	slip139-92-12-152.hm.de.ibm.net/139.92.12.152	1440
980412	5:38:24 PM	2550	83	9	102	406	slip139-92-12-152.hm.de.ibm.net/139.92.12.152	1441
980412	6:33:03 PM	7850	260	16	189	457	207-172-128-250.s59.as4.col.erols.com/207.172.128.250	1442
980412	7:08:08 PM	2050	213	4	33	158	gate5.ca.us.ibm.com/198.133.22.211	1443
980412	7:51:40 PM	5750	162	13	94	299	ppp4a.merlin.net.au/203.20.229.132	1444
980412	7:55:53 PM	2850	84	10	96	223	ppp4a.merlin.net.au/203.20.229.132	1445
980412	7:58:12 PM	1900	163	3	20	41	mithrandir.ucsd.edu/132.239.58.106	1446
980412	7:59:03 PM	10250	227	20	262	556	ppp4a.merlin.net.au/203.20.229.132	1447
980412	7:59:09 PM	8650	152	16	179	344	ppp4a.merlin.net.au/203.20.229.132	1448
980412	8:48:34 PM	3750	95	8	49	177	usr12-dialup35.mix2.Boston.mci.net/166.55.69.227	1449
980412	8:52:03 PM	7600	194	15	136	359	usr12-dialup35.mix2.Boston.mci.net/166.55.69.227	1450
980412	8:55:33 PM	7400	266	14	210	819	igarashi.media.mit.edu/18.85.21.69	1451
980412	9:01:31 PM	15350	549	28	453	1708	usr12-dialup35.mix2.Boston.mci.net/166.55.69.227	1452
980412	9:22:54 PM	2000	164	8	90	117	LFSHEN.MIT.EDU/18.98.0.249	1453
980412	9:29:09 PM	800	76	3	65	151	LFSHEN.MIT.EDU/18.98.0.249	1454
980412	9:33:29 PM	4050	217	9	83	309	ts0310.powerup.com.au/203.18.83.106	1455
980412	9:39:46 PM	8950	612	31	229	1969	LFSHEN.MIT.EDU/18.98.0.249	1456
980412	9:42:14 PM	0	195	0	8	87	dt083n5d.san.rr.com/204.210.25.93	1457
980412	9:49:06 PM	21550	523	80	475	2446	LFSHEN.MIT.EDU/18.98.0.249	1458
980412	9:51:20 PM	600	268	2	59	68	207-172-133-122.s59.as22.col.erols.com/207.172.133.122	1459
980412	10:10:50 PM	7750	236	14	171	462	207-172-133-122.s59.as22.col.erols.com/207.172.133.122	1460
980412	10:15:11 PM	3650	394	12	135	1134	LFSHEN.MIT.EDU/18.98.0.249	1461
980412	10:15:32 PM	7900	263	14	170	383	207-172-133-122.s59.as22.col.erols.com/207.172.133.122	1462
980412	10:19:54 PM	4750	206	12	133	704	LFSHEN.MIT.EDU/18.98.0.249	1463
980412	10:27:49 PM	2500	59	4	29	89	BENCHUN.MIT.EDU/18.207.0.48	1464
980412	10:30:01 PM	6250	116	13	105	289	BENCHUN.MIT.EDU/18.207.0.48	1465
980412	10:32:41 PM	9300	145	20	177	375	BENCHUN.MIT.EDU/18.207.0.48	1466
980412	10:41:55 PM	20050	776	70	433	6605	LFSHEN.MIT.EDU/18.98.0.249	1467
980412	10:53:50 PM	10050	315	31	233	2463	LFSHEN.MIT.EDU/18.98.0.249	1468
980412	11:05:19 PM	13600	582	46	304	3492	LFSHEN.MIT.EDU/18.98.0.249	1469
980412	11:18:37 PM	27050	773	100	579	8175	LFSHEN.MIT.EDU/18.98.0.249	1470
980412	11:26:57 PM	13050	475	41	302	2619	LFSHEN.MIT.EDU/18.98.0.249	1471
980412	11:36:22 PM	8700	323	20	237	1647	LFSHEN.MIT.EDU/18.98.0.249	1472
980412	11:39:48 PM	5850	190	15	149	882	LFSHEN.MIT.EDU/18.98.0.249	1473
980412	11:50:23 PM	10850	387	28	222	2162	LFSHEN.MIT.EDU/18.98.0.249	1474
980412	11:55:49 PM	10050	273	19	204	1072	LFSHEN.MIT.EDU/18.98.0.249	1475
980413	12:02:49 AM	9200	394	18	224	1266	LFSHEN.MIT.EDU/18.98.0.249	1476
980413	12:20:29 AM	13850	406	54	317	1778	cooebay4-35.transport.com/209.51.87.35	1477
980413	12:21:51 AM	3000	63	12	94	367	cooebay4-35.transport.com/209.51.87.35	1478
980413	12:23:58 AM	5600	159	14	144	851	igarashi.media.mit.edu/18.85.21.69	1479
980413	12:25:02 AM	2900	161	6	34	318	cooebay4-35.transport.com/209.51.87.35	1480
980413	12:28:40 AM	7250	261	15	189	1264	igarashi.media.mit.edu/18.85.21.69	1481
980413	12:34:59 AM	14850	363	35	452	2125	igarashi.media.mit.edu/18.85.21.69	1482
980413	1:02:05 AM	3200	46	7	80	193	cooper.media.mit.edu/18.85.21.70	1483
980413	1:06:18 AM	8400	212	18	204	810	igarashi.media.mit.edu/18.85.21.69	1484
980413	1:09:32 AM	6650	179	11	190	619	igarashi.media.mit.edu/18.85.21.69	1485
980413	1:13:24 AM	18100	299	30	424	1983	cooper.media.mit.edu/18.85.21.70	1486

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980413	1:17:39 AM	18350	240	31	434	1515	cooper.media.mit.edu/18.85.21.70	1487
980413	1:24:00 AM	11050	256	19	306	1097	igarashi.media.mit.edu/18.85.21.69	1488
980413	1:53:56 AM	4500	133	9	82	116	xtadl317.it.wsu.edu/134.121.4.57	1489
980413	1:59:06 AM	9000	283	22	218	392	xtadl317.it.wsu.edu/134.121.4.57	1490
980413	2:03:35 AM	7250	252	14	143	457	xtadl317.it.wsu.edu/134.121.4.57	1491
980413	2:07:42 AM	9050	227	20	200	369	xtadl317.it.wsu.edu/134.121.4.57	1492
980413	2:21:34 AM	29700	678	53	785	4032	igarashi.media.mit.edu/18.85.21.69	1493
980413	2:23:19 AM	4100	131	10	75	473	ppp-208-18-64-222.wchtks.swbell.net/208.18.64.222	1494
980413	2:30:27 AM	12750	330	24	339	1629	igarashi.media.mit.edu/18.85.21.69	1495
980413	2:37:33 AM	21400	411	42	525	1983	igarashi.media.mit.edu/18.85.21.69	1496
980413	2:42:46 AM	13400	297	24	328	1452	igarashi.media.mit.edu/18.85.21.69	1497
980413	2:53:56 AM	23450	649	43	533	3459	igarashi.media.mit.edu/18.85.21.69	1498
980413	3:19:06 AM	10200	186	25	240	1087	igarashi.media.mit.edu/18.85.21.69	1499
980413	4:42:38 AM	3750	167	8	59	275	wildcard.strong-funds.com/204.154.227.254	1500
980413	4:45:58 AM	12250	263	29	333	1413	igarashi.media.mit.edu/18.85.21.69	1501
980413	4:48:11 AM	8350	118	18	179	605	igarashi.media.mit.edu/18.85.21.69	1502
980413	4:52:00 AM	3600	44	7	84	175	cooper.media.mit.edu/18.85.21.70	1503
980413	4:53:56 AM	9650	261	23	229	1778	igarashi.media.mit.edu/18.85.21.69	1504
980413	4:58:47 AM	21500	259	33	489	2121	cooper.media.mit.edu/18.85.21.70	1505
980413	4:59:29 AM	12800	316	22	318	1758	igarashi.media.mit.edu/18.85.21.69	1506
980413	5:09:56 AM	4600	73	10	73	619	cooper.media.mit.edu/18.85.21.70	1507
980413	5:11:50 AM	33550	727	67	928	5712	igarashi.media.mit.edu/18.85.21.69	1508
980413	5:21:31 AM	1050	47	3	21	104	195.188.152.12/195.188.152.12	1509
980413	5:24:55 AM	7450	187	14	140	299	195.188.152.12/195.188.152.12	1510
980413	5:51:37 AM	11200	121	19	273	770	cooper.media.mit.edu/18.85.21.70	1511
980413	5:52:51 AM	4600	60	8	100	229	cooper.media.mit.edu/18.85.21.70	1512
980413	5:54:09 AM	5050	63	9	148	266	cooper.media.mit.edu/18.85.21.70	1513
980413	5:55:42 AM	4750	78	12	146	421	cooper.media.mit.edu/18.85.21.70	1514
980413	6:00:43 AM	12200	286	21	299	2359	cooper.media.mit.edu/18.85.21.70	1515
980413	6:06:33 AM	26200	338	44	637	2629	cooper.media.mit.edu/18.85.21.70	1516
980413	7:51:50 AM	0	49	0	0	0	t6o48p21.telia.com/195.198.255.81	1517
980413	8:37:27 AM	11100	411	20	307	2364	igarashi.media.mit.edu/18.85.21.69	1518
980413	9:40:23 AM	2500	63	7	58	298	hapc45.homeaccount.com/198.202.177.188	1519
980413	9:43:21 AM	2400	77	4	27	241	hapc45.homeaccount.com/198.202.177.188	1520
980413	9:45:41 AM	4850	104	11	82	285	hapc45.homeaccount.com/198.202.177.188	1521
980413	9:46:07 AM	850	89	3	55	127	dialin30.hamilton.globalserve.net/209.90.138.93	1522
980413	9:47:21 AM	2550	85	4	31	152	hapc45.homeaccount.com/198.202.177.188	1523
980413	9:47:41 AM	4150	104	11	112	470	hapc18.homeaccount.com/198.202.177.128	1524
980413	9:48:50 AM	2650	73	4	29	138	hapc45.homeaccount.com/198.202.177.188	1525
980413	9:49:27 AM	3650	89	9	83	506	hapc18.homeaccount.com/198.202.177.128	1526
980413	9:49:39 AM	4000	185	14	122	541	dialin30.hamilton.globalserve.net/209.90.138.93	1527
980413	9:54:17 AM	6750	262	18	169	826	dialin30.hamilton.globalserve.net/209.90.138.93	1528
980413	9:56:02 AM	6200	225	13	80	138	hapc19.homeaccount.com/198.202.177.129	1529
980413	9:56:26 AM	1100	75	3	28	76	193.167.166.62/193.167.166.62	1530
980413	9:57:19 AM	4350	166	9	68	283	dialin30.hamilton.globalserve.net/209.90.138.93	1531
980413	10:01:57 AM	5350	262	13	88	1001	dialin30.hamilton.globalserve.net/209.90.138.93	1532
980413	10:32:41 AM	8400	405	21	173	1677	205.181.121.144/205.181.121.144	1533
980413	11:27:29 AM	4250	160	8	59	248	pc-1933.on.rogers.wave.ca/24.112.49.72	1534
980413	11:35:10 AM	10200	446	20	334	1171	pc-1933.on.rogers.wave.ca/24.112.49.72	1535
980413	12:06:04 PM	5500	102	15	139	245	ppp75a.merlin.net.au/203.20.228.197	1536
980413	12:33:15 PM	400	113	1	8	81	toliman.tdb.uu.se/130.238.136.138	1537
980413	12:39:24 PM	2350	152	8	63	666	dig01-34.cam.aota-oh.com/209.190.83.37	1538
980413	12:40:56 PM	2000	211	4	30	89	204.62.44.150/204.62.44.150	1539
980413	12:44:34 PM	2500	59	4	29	105	204.149.86.2/204.149.86.2	1540
980413	12:46:20 PM	3500	91	7	45	188	204.149.86.2/204.149.86.2	1541
980413	12:47:42 PM	3500	65	7	40	194	204.149.86.2/204.149.86.2	1542
980413	12:49:26 PM	3700	88	7	44	241	204.149.86.2/204.149.86.2	1543
980413	12:50:26 PM	1200	45	2	31	52	204.149.86.2/204.149.86.2	1544
980413	12:53:15 PM	5450	153	13	212	733	204.149.86.2/204.149.86.2	1545
980413	12:59:20 PM	700	176	2	17	34	dt030n31.san.rr.com/204.210.19.49	1546
980413	1:15:07 PM	1750	115	7	79	251	pete.montevideo.com.uy/207.3.115.131	1547
980413	1:19:25 PM	4750	273	12	104	1634	xcurrent-proxy.njcc.com/165.254.249.17	1548
980413	1:43:36 PM	7850	329	23	189	3459	xcurrent-proxy.njcc.com/165.254.249.17	1549
980413	2:02:13 PM	750	95	3	47	357	209.2.60.60/209.2.60.60	1550
980413	2:27:12 PM	50	16	0	1	2	actor.conveyor.com/205.189.210.5	1551
980413	2:46:25 PM	50	60	0	1	46	mbalab2-dhcp-gsb-dynamic-182.Stanford.EDU/171.64.223.182	1552
980413	2:49:47 PM	7750	900	19	194	1156	fctnts10c43.nbnet.nb.ca/198.164.201.241	1553
980413	2:50:47 PM	3400	241	8	44	226	host-040.mmarcom.com/207.181.124.40	1554
980413	3:13:58 PM	4250	366	9	61	231	131.156.20.39/131.156.20.39	1555
980413	3:16:30 PM	3700	135	7	44	136	131.156.20.39/131.156.20.39	1556
980413	3:19:12 PM	3800	160	14	114	340	mirolette.tamu.edu/165.91.218.5	1557
980413	3:22:44 PM	18500	887	47	489	3893	tc3-41.utah-inter.net/208.14.202.51	1558
980413	3:24:51 PM	4800	228	10	67	106	hapc19.homeaccount.com/198.202.177.129	1559
980413	3:29:17 PM	11450	302	24	364	654	port197.ster.prodigy.net/204.237.138.197	1560
980413	3:29:32 PM	4500	532	9	103	828	mirolette.tamu.edu/165.91.218.5	1561
980413	3:31:18 PM	3950	372	8	50	156	hapc19.homeaccount.com/198.202.177.129	1562
980413	3:38:39 PM	7050	424	17	102	261	hapc19.homeaccount.com/198.202.177.129	1563
980413	3:42:35 PM	3750	220	8	45	95	hapc19.homeaccount.com/198.202.177.129	1564
980413	3:47:31 PM	4650	95	11	83	182	port197.ster.prodigy.net/204.237.138.197	1565
980413	3:50:52 PM	7350	274	15	155	511	ppp-22.rb5.exit109.com/208.225.65.92	1566
980413	3:50:55 PM	8550	190	18	166	380	port197.ster.prodigy.net/204.237.138.197	1567
980413	4:05:00 PM	3150	476	6	40	244	ugsparc3.eecg.toronto.edu/128.100.13.53	1568
980413	4:31:56 PM	3000	281	5	30	849	xcurrent-proxy.njcc.com/165.254.249.17	1569
980413	4:33:46 PM	3000	149	5	43	597	194.215.211.28/194.215.211.28	1570
980413	4:38:03 PM	0	11	0	0	1	mpog.media.mit.edu/18.85.5.221	1571
980413	5:56:18 PM	4300	86	7	114	174	du79-2.ppp.algonet.se/195.100.2.79	1572
980413	6:00:10 PM	2000	51	3	22	42	host-040.mmarcom.com/207.181.124.40	1573
980413	6:00:48 PM	3250	116	7	61	536	198.178.150.240/198.178.150.240	1574
980413	9:39:32 PM	27250	551	44	760	4837	unknown-123-168.evolveinc.com/198.70.123.168	1575
980413	9:41:40 PM	0	2	0	0	0	ppp1-27.shadow.net/209.4.39.47	1576
980413	10:02:39 PM	5350	71	13	139	320	cooper.media.mit.edu/18.85.21.70	1577
980413	10:04:06 PM	1000	68	4	83	164	cooper.media.mit.edu/18.85.21.70	1578
980413	10:06:09 PM	3150	200	7	76	237	207-172-133-253.s62.as24.col.erols.com/207.172.133.253	1579
980413	10:13:07 PM	2400	165	4	25	115	dyn-106-202.interval.com/199.170.106.202	1580
980413	10:13:48 PM	3450	229	8	47	228	dove.cow.com/207.155.14.39	1581
980413	10:15:21 PM	4200	119	9	54	156	dyn-106-202.interval.com/199.170.106.202	1582
980413	10:20:54 PM	9750	263	23	215	441	207-172-133-253.s62.as24.col.erols.com/207.172.133.253	1583
980413	10:23:45 PM	350	80	0	18	121	van-52-0840.direct.ca/204.174.253.136	1584
980413	10:53:06 PM	3750	107	8	53	133	kirk08-8.accessone.com/209.43.129.104	1585
980413	10:55:42 PM	7850	141	14	178	313	kirk08-8.accessone.com/209.43.129.104	1586
980413	10:58:59 PM	10700	180	20	283	544	kirk08-8.accessone.com/209.43.129.104	1587
980413	11:02:23 PM	10050	188	19	276	502	kirk08-8.accessone.com/209.43.129.104	1588
980413	11:05:15 PM	9150	156	16	233	426	kirk08-8.accessone.com/209.43.129.104	1589
980413	11:07:36 PM	7150	125	14	122	312	kirk08-8.accessone.com/209.43.129.104	1590

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980413	11:10:51 PM	8250	179	16	228	411	kirk08-8.accessone.com/209.43.129.104	1591
980413	11:33:06 PM	13400	223	23	339	642	kirk08-25.accessone.com/209.43.129.121	1592
980413	11:36:34 PM	12350	193	24	405	625	kirk08-25.accessone.com/209.43.129.121	1593
980414	12:38:15 AM	2400	62	4	25	42	ppp042.pullman.com/204.227.174.42	1594
980414	12:44:29 AM	14150	358	25	412	663	ppp042.pullman.com/204.227.174.42	1595
980414	12:54:38 AM	28850	598	49	775	3191	ppp042.pullman.com/204.227.174.42	1596
980414	1:43:02 AM	9450	191	21	238	719	kirk01-9.accessone.com/209.43.128.9	1597
980414	1:48:30 AM	17750	310	36	446	981	kirk01-9.accessone.com/209.43.128.9	1598
980414	1:56:35 AM	30250	477	54	810	1914	kirk01-9.accessone.com/209.43.128.9	1599
980414	1:59:26 AM	10050	154	22	195	575	kirk01-9.accessone.com/209.43.128.9	1600
980414	2:48:00 AM	550	105	2	29	35	awsl12.kyamk.fi/193.167.56.112	1601
980414	2:59:36 AM	1250	38	2	13	39	ad-012.infohouse.com/206.30.91.12	1602
980414	3:02:22 AM	1600	34	3	20	45	ad-012.infohouse.com/206.30.91.12	1603
980414	3:21:12 AM	3050	104	6	56	336	194.215.211.8/194.215.211.8	1604
980414	3:46:59 AM	150	124	0	6	62	194.192.151.189/194.192.151.189	1605
980414	3:52:12 AM	2450	161	4	34	219	user40-i.erlangen.netsurf.de/194.163.170.232	1606
980414	4:09:06 AM	1350	46	2	15	38	station17.multimania.isdnet.net/194.149.174.114	1607
980414	4:41:38 AM	25650	246	39	599	1427	kaze.media.mit.edu/18.85.5.79	1608
980414	4:48:07 AM	23900	196	36	599	1197	kaze.media.mit.edu/18.85.5.79	1609
980414	6:18:42 AM	5000	160	10	112	416	h136.s3.ts31.hinet.net/163.31.3.136	1610
980414	6:22:21 AM	7250	203	15	134	451	h136.s3.ts31.hinet.net/163.31.3.136	1611
980414	7:04:31 AM	3900	142	9	76	191	fw.baan.nl/194.229.190.5	1612
980414	7:06:52 AM	4000	125	7	55	331	fw.baan.nl/194.229.190.5	1613
980414	7:10:48 AM	7250	218	15	147	490	fw.baan.nl/194.229.190.5	1614
980414	8:22:16 AM	0	15	0	0	3	www.ceevit-rtrt.regione.toscana.it/159.213.57.3	1615
980414	8:42:14 AM	1800	171	3	22	71	bibelot.gr.osf.org/130.105.64.83	1616
980414	9:14:00 AM	2750	89	5	71	94	pc.mac-uk.co.uk/193.130.154.101	1617
980414	9:47:02 AM	0	236	0	4	16	nastrond.ifi.uio.no/129.240.64.65	1618
980414	10:12:12 AM	3500	131	8	48	120	131.215.82.174/131.215.82.174	1619
980414	10:16:26 AM	2400	86	4	24	97	167-199-252.ipt.aol.com/152.167.199.252	1620
980414	10:16:33 AM	0	4	0	5	5	167-199-252.ipt.aol.com/152.167.199.252	1621
980414	10:16:52 AM	5250	245	9	129	311	131.215.82.174/131.215.82.174	1622
980414	10:24:22 AM	3600	130	7	96	196	131.215.82.174/131.215.82.174	1623
980414	10:33:11 AM	3300	129	9	103	176	131.215.82.174/131.215.82.174	1624
980414	10:37:31 AM	3300	143	7	43	171	131.215.82.174/131.215.82.174	1625
980414	10:50:48 AM	2600	147	6	82	211	eecoasis.cityu.edu.hk/144.214.41.62	1626
980414	11:17:03 AM	150	247	0	20	27	pion04.tphys.physik.uni-tuebingen.de/134.2.78.33	1627
980414	11:33:16 AM	4600	186	10	91	232	mcnc2pp17.alltel.net/166.102.105.18	1628
980414	11:34:55 AM	2800	83	4	33	338	mcnc2pp17.alltel.net/166.102.105.18	1629
980414	11:48:18 AM	5450	175	10	174	287	eecoasis.cityu.edu.hk/144.214.41.62	1630
980414	12:53:26 PM	35350	888	75	1038	3432	tc1-59.utah-inter.net/208.14.200.69	1631
980414	1:22:32 PM	1250	72	3	21	76	rembrandt.cs.tcd.ie/134.226.38.70	1632
980414	1:26:49 PM	7250	267	15	161	561	204.165.32.159/204.165.32.159	1633
980414	1:41:09 PM	2650	115	5	29	125	199.93.176.6/199.93.176.6	1634
980414	2:17:36 PM	2400	78	6	55	101	wn16-071.paris.worldnet.fr/195.3.16.71	1635
980414	2:23:44 PM	1150	57	3	54	84	209-142-3-48.stk.inreach.net/209.142.3.48	1636
980414	2:25:13 PM	1100	73	4	53	163	209-142-3-48.stk.inreach.net/209.142.3.48	1637
980414	2:27:15 PM	3800	106	9	52	148	209-142-3-48.stk.inreach.net/209.142.3.48	1638
980414	2:28:18 PM	1850	47	3	19	70	209-142-3-48.stk.inreach.net/209.142.3.48	1639
980414	2:43:29 PM	3600	215	11	128	505	mac80.mlk.mpusd.k12.ca.us/204.94.151.80	1640
980414	2:45:49 PM	4450	118	9	60	237	mac80.mlk.mpusd.k12.ca.us/204.94.151.80	1641
980414	2:47:17 PM	1250	78	4	82	211	mac80.mlk.mpusd.k12.ca.us/204.94.151.80	1642
980414	2:52:27 PM	8600	292	18	232	813	mac80.mlk.mpusd.k12.ca.us/204.94.151.80	1643
980414	3:08:08 PM	3650	123	7	55	219	mac81.mlk.mpusd.k12.ca.us/204.94.151.81	1644
980414	3:14:55 PM	12350	271	32	272	1992	205.181.121.144/205.181.121.144	1645
980414	3:20:09 PM	3150	93	7	41	175	unknown-35-6.mwhse.com/206.189.35.6	1646
980414	3:25:38 PM	2700	312	5	33	200	unknown-35-6.mwhse.com/206.189.35.6	1647
980414	3:29:39 PM	3350	79	7	47	164	unknown-35-6.mwhse.com/206.189.35.6	1648
980414	3:33:12 PM	3950	193	9	110	567	unknown-35-6.mwhse.com/206.189.35.6	1649
980414	3:34:18 PM	1200	68	2	20	208	host-124.concretemedia.com/207.240.49.124	1650
980414	3:36:14 PM	3900	89	8	48	332	host-124.concretemedia.com/207.240.49.124	1651
980414	3:41:15 PM	2600	112	5	34	92	hot.njit.edu/128.235.35.181	1652
980414	3:43:49 PM	6500	216	17	101	422	unknown-35-6.mwhse.com/206.189.35.6	1653
980414	3:44:07 PM	4700	108	14	144	274	port244.ster.prodigy.net/204.237.138.244	1654
980414	3:45:25 PM	4250	62	8	51	127	port244.ster.prodigy.net/204.237.138.244	1655
980414	3:46:32 PM	800	54	3	38	87	skunk-096.skunktech.com/207.155.109.96	1656
980414	3:47:05 PM	1800	24	3	46	51	skunk-096.skunktech.com/207.155.109.96	1657
980414	3:48:06 PM	1350	44	4	79	127	skunk-096.skunktech.com/207.155.109.96	1658
980414	3:49:16 PM	11350	202	22	255	366	port244.ster.prodigy.net/204.237.138.244	1659
980414	3:49:38 PM	1950	35	5	57	95	skunk-096.skunktech.com/207.155.109.96	1660
980414	4:03:52 PM	3800	628	6	41	151	unknown-35-6.mwhse.com/206.189.35.6	1661
980414	4:09:05 PM	950	243	2	17	47	geekboy.concretemedia.com/207.240.49.115	1662
980414	4:10:46 PM	5600	328	14	120	203	unknown-35-6.mwhse.com/206.189.35.6	1663
980414	4:20:41 PM	4950	106	9	91	162	199.6.62.21/199.6.62.21	1664
980414	4:25:58 PM	0	102	0	0	0	ts67ip131.cadvision.com/207.228.75.131	1665
980414	4:32:26 PM	3050	64	8	99	271	208.206.247.169/208.206.247.169	1666
980414	4:34:08 PM	750	58	1	9	41	BETSYM.MIT.EDU/18.63.1.89	1667
980414	4:34:39 PM	250	15	0	5	25	BETSYM.MIT.EDU/18.63.1.89	1668
980414	4:35:10 PM	5600	151	14	161	734	208.206.247.169/208.206.247.169	1669
980414	4:43:10 PM	15400	1010	61	342	1780	ts67ip131.cadvision.com/207.228.75.131	1670
980414	5:33:39 PM	1200	73	2	12	129	204.245.151.238/204.245.151.238	1671
980414	6:12:59 PM	8950	197	19	170	1786	205.181.121.144/205.181.121.144	1672
980414	6:13:27 PM	6200	221	12	113	237	adn-ts-002florlaP13.dialsprint.net/206.133.72.48	1673
980414	6:17:55 PM	11700	281	30	230	3062	205.181.121.144/205.181.121.144	1674
980414	6:21:47 PM	9650	216	23	208	2063	205.181.121.144/205.181.121.144	1675
980414	6:26:51 PM	7350	218	15	155	1672	205.181.121.144/205.181.121.144	1676
980414	6:33:11 PM	250	20	0	6	26	ppp55.ko.tele.dk/194.239.168.55	1677
980414	6:45:36 PM	8450	1110	19	208	2789	205.181.121.144/205.181.121.144	1678
980414	7:08:05 PM	5950	104	11	207	343	bb-011.nylink.com/208.129.65.11	1679
980414	7:11:47 PM	1450	164	5	63	595	ts70ip229.cadvision.com/207.228.75.229	1680
980414	7:24:16 PM	8400	693	28	212	3607	ts70ip229.cadvision.com/207.228.75.229	1681
980414	7:25:43 PM	5900	183	10	264	435	bb-011.nylink.com/208.129.65.11	1682
980414	7:27:23 PM	2400	138	4	24	248	ts70ip229.cadvision.com/207.228.75.229	1683
980414	7:29:15 PM	7850	195	15	304	570	bb-011.nylink.com/208.129.65.11	1684
980414	8:18:39 PM	33350	492	67	812	2271	162.p1.Tnt02.MIA.Icanect.Net/206.142.168.162	1685
980414	8:28:21 PM	31850	571	61	823	2373	162.p1.Tnt02.MIA.Icanect.Net/206.142.168.162	1686
980414	9:02:38 PM	9550	303	20	245	1748	BETSYM.MIT.EDU/18.63.1.89	1687
980414	9:06:18 PM	7000	196	14	148	1365	BETSYM.MIT.EDU/18.63.1.89	1688
980414	9:07:52 PM	350	48	1	66	114	ts82ip18.cadvision.com/207.228.68.18	1689
980414	9:11:19 PM	7600	285	23	132	3119	BETSYM.MIT.EDU/18.63.1.89	1690
980414	9:15:08 PM	5500	388	22	127	654	ts82ip18.cadvision.com/207.228.68.18	1691
980414	9:15:53 PM	9950	256	20	302	1737	BETSYM.MIT.EDU/18.63.1.89	1692
980414	9:21:54 PM	5300	128	10	92	828	BETSYM.MIT.EDU/18.63.1.89	1693
980414	9:25:55 PM	9200	226	20	214	1470	BETSYM.MIT.EDU/18.63.1.89	1694

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980414	9:29:25 PM	8300	192	15	209	1160	BETSYM.MIT.EDU/18.63.1.89	1695
980414	9:32:30 PM	5100	166	12	66	1841	BETSYM.MIT.EDU/18.63.1.89	1696
980414	9:38:50 PM	9800	191	21	186	1203	BETSYM.MIT.EDU/18.63.1.89	1697
980414	9:43:14 PM	10200	245	21	273	2025	BETSYM.MIT.EDU/18.63.1.89	1698
980414	9:47:25 PM	9250	235	23	167	1961	BETSYM.MIT.EDU/18.63.1.89	1699
980414	9:52:21 PM	12700	279	24	312	2685	BETSYM.MIT.EDU/18.63.1.89	1700
980414	9:57:42 PM	9100	302	21	201	2059	BETSYM.MIT.EDU/18.63.1.89	1701
980414	10:01:58 PM	6600	239	11	135	987	BETSYM.MIT.EDU/18.63.1.89	1702
980414	10:06:57 PM	6600	283	16	158	2325	BETSYM.MIT.EDU/18.63.1.89	1703
980414	10:10:45 PM	7350	205	14	197	1544	BETSYM.MIT.EDU/18.63.1.89	1704
980414	10:14:22 PM	7700	200	14	184	1100	BETSYM.MIT.EDU/18.63.1.89	1705
980414	10:18:19 PM	5450	90	10	115	678	BETSYM.MIT.EDU/18.63.1.89	1706
980414	10:23:17 PM	8050	266	14	189	2040	BETSYM.MIT.EDU/18.63.1.89	1707
980414	10:25:46 PM	1250	101	2	15	52	199.cambridge-06.ma.dial-access.att.net/12.68.105.199	1708
980414	10:27:35 PM	3350	92	7	46	138	199.cambridge-06.ma.dial-access.att.net/12.68.105.199	1709
980414	10:28:36 PM	13500	303	22	383	2451	BETSYM.MIT.EDU/18.63.1.89	1710
980414	10:30:49 PM	3650	175	9	117	352	199.cambridge-06.ma.dial-access.att.net/12.68.105.199	1711
980414	10:32:38 PM	9550	225	19	255	1765	BETSYM.MIT.EDU/18.63.1.89	1712
980414	10:34:36 PM	4850	101	11	61	875	BETSYM.MIT.EDU/18.63.1.89	1713
980414	10:39:47 PM	10900	296	21	298	2781	BETSYM.MIT.EDU/18.63.1.89	1714
980414	10:44:42 PM	10650	277	18	287	2679	BETSYM.MIT.EDU/18.63.1.89	1715
980414	10:50:22 PM	11150	262	20	306	2501	BETSYM.MIT.EDU/18.63.1.89	1716
980414	10:59:10 PM	16100	328	31	423	3024	BETSYM.MIT.EDU/18.63.1.89	1717
980414	11:02:14 PM	6750	160	13	178	1107	BETSYM.MIT.EDU/18.63.1.89	1718
980414	11:06:59 PM	10900	266	19	262	2599	BETSYM.MIT.EDU/18.63.1.89	1719
980414	11:08:59 PM	4350	104	9	52	612	BETSYM.MIT.EDU/18.63.1.89	1720
980414	11:16:38 PM	11850	347	23	355	3773	BETSYM.MIT.EDU/18.63.1.89	1721
980414	11:23:31 PM	12550	396	21	314	4066	BETSYM.MIT.EDU/18.63.1.89	1722
980414	11:31:42 PM	12700	475	23	470	4029	BETSYM.MIT.EDU/18.63.1.89	1723
980415	1:05:58 AM	9800	203	19	321	525	kirk09-7.accessone.com/209.43.129.151	1724
980415	1:15:06 AM	32600	536	64	729	2197	kirk09-7.accessone.com/209.43.129.151	1725
980415	2:45:36 AM	1200	58	2	16	48	cx794947-a.phnx3.az.home.com/24.1.193.25	1726
980415	7:55:58 AM	0	20	0	32	32	cooper.media.mit.edu/18.85.21.70	1727
980415	8:27:59 AM	29100	301	50	659	2256	frutiger.media.mit.edu/18.85.21.72	1728
980415	8:28:21 AM	2700	49	5	30	131	194.68.71.65/194.68.71.65	1729
980415	9:30:27 AM	0	22	0	21	26	douze.meca.polymtl.ca/132.207.40.22	1730
980415	9:44:00 AM	0	95	0	4	20	canis.astro.umd.edu/129.2.163.239	1731
980415	9:44:14 AM	1100	184	3	21	100	dyn101ppp44.pacific.net.sg/210.24.101.44	1732
980415	9:50:52 AM	8950	383	17	211	479	dyn101ppp44.pacific.net.sg/210.24.101.44	1733
980415	9:56:34 AM	0	87	0	0	17	ahs404.montgomery.k12.va.us/198.82.215.100	1734
980415	9:58:32 AM	10500	442	21	220	706	dyn101ppp44.pacific.net.sg/210.24.101.44	1735
980415	10:12:12 AM	2350	68	5	39	124	199.212.60.58/199.212.60.58	1736
980415	10:56:51 AM	350	38	0	8	10	grumb10.stud.kvl.dk/130.225.189.44	1737
980415	11:13:44 AM	7150	133	13	162	308	du124-5.ppp.algonet.se/195.100.5.124	1738
980415	11:24:38 AM	5500	179	22	178	924	ts72ip88.cadvision.com/207.228.76.88	1739
980415	11:33:05 AM	2250	64	4	29	464	ns.fkgb.fr/195.115.8.113	1740
980415	1:04:27 PM	1100	167	1	23	53	205.169.77.97/205.169.77.97	1741
980415	1:04:54 PM	1300	84	2	14	139	eq002.equinoxlt.com/195.12.166.2	1742
980415	1:06:57 PM	4050	104	10	108	499	eq002.equinoxlt.com/195.12.166.2	1743
980415	1:07:41 PM	600	25	1	7	26	eq002.equinoxlt.com/195.12.166.2	1744
980415	1:34:33 PM	1250	111	2	13	108	adair.qwest.net/204.154.232.1	1745
980415	1:44:53 PM	900	137	2	12	56	shinto.twofish.com/208.211.96.179	1746
980415	1:46:43 PM	2450	58	4	38	115	gems.nhm.ac.uk/157.140.3.96	1747
980415	1:48:37 PM	3900	98	9	73	244	gems.nhm.ac.uk/157.140.3.96	1748
980415	1:55:11 PM	2550	92	5	35	207	stickybun.twofish.com/208.211.96.178	1749
980415	2:04:43 PM	6800	463	13	165	412	gems.nhm.ac.uk/157.140.3.96	1750
980415	2:07:30 PM	4650	149	11	63	187	shinto.twofish.com/208.211.96.179	1751
980415	2:09:01 PM	2500	70	4	37	89	shinto.twofish.com/208.211.96.179	1752
980415	2:09:32 PM	8650	153	16	160	259	port233.ster.prodigy.net/204.237.138.233	1753
980415	2:12:36 PM	9350	169	16	226	360	port233.ster.prodigy.net/204.237.138.233	1754
980415	2:12:58 PM	7250	285	15	119	314	gems.nhm.ac.uk/157.140.3.96	1755
980415	2:23:25 PM	3150	100	7	39	119	th-pm03-06.ndirect.co.uk/195.7.225.134	1756
980415	2:24:50 PM	600	69	1	6	25	th-pm03-06.ndirect.co.uk/195.7.225.134	1757
980415	2:26:00 PM	2200	54	3	36	78	th-pm03-06.ndirect.co.uk/195.7.225.134	1758
980415	2:27:52 PM	500	134	2	43	121	M12-182-21.MIT.EDU/18.19.0.52	1759
980415	2:36:27 PM	5700	223	14	121	354	spudgun.isocor.ie/194.106.154.128	1760
980415	2:41:12 PM	3200	134	5	35	109	195.103.245.230/195.103.245.230	1761
980415	3:36:52 PM	150	64	0	25	62	randomwalk.com/206.25.187.125	1762
980415	3:37:57 PM	1500	49	6	47	79	randomwalk.com/206.25.187.125	1763
980415	3:43:31 PM	0	93	0	1	2	afroblue.zedat.fu-berlin.de/160.45.11.60	1764
980415	4:08:14 PM	6400	169	20	172	795	frutiger.media.mit.edu/18.85.21.72	1765
980415	4:09:01 PM	30550	591	54	816	3832	igarashi.media.mit.edu/18.85.21.69	1766
980415	4:09:55 PM	2100	85	7	104	441	frutiger.media.mit.edu/18.85.21.72	1767
980415	4:22:38 PM	1200	85	2	17	61	conovergis.ci.conover.nc.us/198.252.169.219	1768
980415	4:26:47 PM	0	12	0	0	3	unknown-35-6.mwhse.com/206.189.35.6	1769
980415	4:28:33 PM	4700	766	8	80	224	unknown-35-6.mwhse.com/206.189.35.6	1770
980415	4:30:22 PM	3700	93	6	55	143	unknown-35-6.mwhse.com/206.189.35.6	1771
980415	5:01:00 PM	3000	70	6	37	96	208.128.99.234/208.128.99.234	1772
980415	5:02:57 PM	2400	95	4	24	49	208.128.99.234/208.128.99.234	1773
980415	5:04:43 PM	3750	91	8	45	149	208.128.99.234/208.128.99.234	1774
980415	5:28:45 PM	0	1	0	0	0	hermis.media.mit.edu/18.85.23.17	1775
980415	5:32:07 PM	3450	127	8	96	495	hermis.media.mit.edu/18.85.23.17	1776
980415	6:07:51 PM	13750	419	29	465	1962	208.14.202.112/208.14.202.112	1777
980415	6:22:20 PM	33850	857	69	947	4412	208.14.202.112/208.14.202.112	1778
980415	6:22:24 PM	0	100	0	6	16	brat5200-51.netconnect.com.au/203.7.198.91	1779
980415	6:41:18 PM	30850	601	57	892	3195	tc4-42.utah-inter.net/208.14.202.112	1780
980415	7:02:42 PM	5250	182	14	96	374	209.67.71.100/209.67.71.100	1781
980415	7:03:33 PM	10150	403	25	218	790	172-133-241.ipt.aol.com/152.172.133.241	1782
980415	8:19:57 PM	3400	78	8	81	132	206.109.88.62/206.109.88.62	1783
980415	8:22:07 PM	5350	114	13	101	579	206.109.88.62/206.109.88.62	1784
980415	8:24:29 PM	2000	56	8	98	281	206.109.88.62/206.109.88.62	1785
980415	8:26:12 PM	4350	87	9	88	228	206.109.88.62/206.109.88.62	1786
980415	8:28:47 PM	8850	139	20	228	560	206.109.88.62/206.109.88.62	1787
980415	8:47:51 PM	9850	321	24	169	626	224.cambridge-06.ma.dial-access.att.net/12.68.105.224	1788
980415	8:52:05 PM	3250	231	7	43	211	224.cambridge-06.ma.dial-access.att.net/12.68.105.224	1789
980415	9:01:12 PM	400	45	0	8	26	195.4.27.34/195.4.27.34	1790
980415	10:07:08 PM	11100	526	24	385	1402	1Cust76.max26.chicago.il.ms.uu.net/153.35.111.76	1791
980415	10:19:47 PM	1150	68	3	20	80	user-381coge.dialup.mindspring.com/209.86.98.14	1792
980415	10:26:01 PM	3650	162	9	68	237	dt01g0n8e.myoap.rr.com/204.210.164.142	1793
980415	11:02:19 PM	2750	183	5	31	218	ts781p167.cadvision.com/207.228.113.167	1794
980415	11:03:09 PM	800	30	3	41	61	ts781p167.cadvision.com/207.228.113.167	1795
980415	11:06:34 PM	2900	190	6	37	586	ts781p167.cadvision.com/207.228.113.167	1796
980415	11:08:18 PM	4350	153	9	54	171	1Cust36.max9.los-angeles.ca.ms.uu.net/153.34.74.164	1797
980416	12:42:18 AM	2400	47	4	31	51	MAHALO.MIT.EDU/18.242.2.23	1798

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980416	12:56:29 AM	0	4	0	0	2	ratbert.eecs.wsu.edu/134.121.67.20	1799
980416	12:57:57 AM	4700	76	10	70	212	ratbert.eecs.wsu.edu/134.121.67.20	1800
980416	12:58:55 AM	11200	260	20	317	442	wally.eecs.wsu.edu/134.121.66.248	1801
980416	1:58:59 AM	3000	97	5	33	86	page-204.caltech.edu/131.215.88.204	1802
980416	4:51:58 AM	3150	79	5	33	127	130.89.23.157/130.89.23.157	1803
980416	6:40:35 AM	16100	540	31	521	1008	dyn120ppp235.pacific.net.sg/210.24.120.235	1804
980416	7:22:30 AM	11500	361	21	328	679	dyn111ppp53.pacific.net.sg/210.24.111.53	1805
980416	7:33:53 AM	27050	612	44	678	1225	dyn111ppp53.pacific.net.sg/210.24.111.53	1806
980416	7:37:45 AM	0	17	0	0	1	193.15.96.145/193.15.96.145	1807
980416	7:38:28 AM	150	27	0	4	4	193.15.96.145/193.15.96.145	1808
980416	7:40:27 AM	3550	97	10	113	378	193.15.96.145/193.15.96.145	1809
980416	7:42:08 AM	27300	302	44	751	2052	cooper.media.mit.edu/18.85.21.70	1810
980416	8:08:54 AM	26850	735	41	726	1451	dyn120ppp91.pacific.net.sg/210.24.120.91	1811
980416	8:14:42 AM	12850	330	23	345	714	dyn120ppp91.pacific.net.sg/210.24.120.91	1812
980416	8:23:08 AM	0	2	0	0	0	dyn120ppp91.pacific.net.sg/210.24.120.91	1813
980416	8:47:25 AM	7850	345	16	193	488	dyn126ppp198.pacific.net.sg/210.24.126.198	1814
980416	8:48:55 AM	1200	54	2	12	31	dyn126ppp198.pacific.net.sg/210.24.126.198	1815
980416	8:52:42 AM	4950	195	10	115	379	dyn126ppp198.pacific.net.sg/210.24.126.198	1816
980416	8:54:46 AM	7100	249	13	137	312	194.184.87.12/194.184.87.12	1817
980416	9:03:36 AM	7700	252	15	173	517	dyn126ppp198.pacific.net.sg/210.24.126.198	1818
980416	9:16:21 AM	5300	161	14	102	564	s79.denhaag.bart.nl/194.158.172.79	1819
980416	10:34:34 AM	0	66	0	5	13	207.144.100.251/207.144.100.251	1820
980416	11:48:47 AM	100	22	0	2	5	fw2.torolab.ibm.com/199.246.40.199	1821
980416	11:58:46 AM	400	18	0	8	19	fw2.torolab.ibm.com/199.246.40.199	1822
980416	12:00:11 PM	1850	69	7	97	183	fw2.torolab.ibm.com/199.246.40.199	1823
980416	12:10:36 PM	2400	101	4	26	80	calvin.wsc.mass.edu/134.241.83.60	1824
980416	12:13:07 PM	3650	136	9	100	737	calvin.wsc.mass.edu/134.241.83.60	1825
980416	12:14:49 PM	5650	223	14	91	388	dialup-428.global2000.net/208.133.143.198	1826
980416	12:16:46 PM	2750	205	11	93	509	calvin.wsc.mass.edu/134.241.83.60	1827
980416	12:30:07 PM	29650	605	52	842	2794	tc4-25.utah-inter.net/208.14.202.95	1828
980416	1:00:40 PM	0	101	0	0	12	taikamatto.kuva.fi/193.167.128.100	1829
980416	1:02:06 PM	2250	39	3	27	83	194.200.53.247/194.200.53.247	1830
980416	1:21:03 PM	500	188	2	44	48	alice.eecs.wsu.edu/134.121.67.22	1831
980416	1:21:52 PM	250	31	1	22	22	alice.eecs.wsu.edu/134.121.67.22	1832
980416	1:49:09 PM	2950	121	7	82	174	pc18-lib.tayhs.granite.k12.ut.us/205.124.35.147	1833
980416	1:55:37 PM	5850	251	12	135	533	pc18-lib.tayhs.granite.k12.ut.us/205.124.35.147	1834
980416	2:59:59 PM	3050	72	6	37	534	baby.Dorm10.NCTU.edu.tw/140.113.123.5	1835
980416	3:02:31 PM	7900	124	16	190	640	baby.Dorm10.NCTU.edu.tw/140.113.123.5	1836
980416	3:05:01 PM	5050	106	9	87	1136	baby.Dorm10.NCTU.edu.tw/140.113.123.5	1837
980416	3:05:16 PM	2550	85	7	74	343	proxy160.imsnet.com/204.133.246.66	1838
980416	3:09:03 PM	9050	203	18	222	582	proxy160.imsnet.com/204.133.246.66	1839
980416	3:12:29 PM	8100	191	17	185	433	proxy160.imsnet.com/204.133.246.66	1840
980416	3:16:13 PM	4100	80	10	109	281	proxy160.imsnet.com/204.133.246.66	1841
980416	3:16:38 PM	6800	174	17	212	367	port201.ster.prodigy.net/204.237.138.201	1842
980416	3:18:01 PM	3350	72	9	109	252	proxy160.imsnet.com/204.133.246.66	1843
980416	3:19:08 PM	3200	52	10	117	349	proxy160.imsnet.com/204.133.246.66	1844
980416	3:20:29 PM	2250	65	9	99	186	proxy160.imsnet.com/204.133.246.66	1845
980416	3:21:52 PM	3100	67	11	90	327	proxy160.imsnet.com/204.133.246.66	1846
980416	3:24:16 PM	4950	128	11	63	685	proxy160.imsnet.com/204.133.246.66	1847
980416	3:26:09 PM	6650	97	14	166	376	proxy160.imsnet.com/204.133.246.66	1848
980416	3:27:34 PM	4250	70	8	84	268	proxy160.imsnet.com/204.133.246.66	1849
980416	3:28:51 PM	5050	62	9	87	200	proxy160.imsnet.com/204.133.246.66	1850
980416	3:30:00 PM	4050	53	7	45	125	proxy160.imsnet.com/204.133.246.66	1851
980416	4:05:10 PM	18450	411	39	529	1931	205.181.121.144/205.181.121.144	1852
980416	4:46:29 PM	1200	46	2	12	34	PRIVET.MIT.EDU/18.63.0.184	1853
980416	6:47:33 PM	600	30	1	6	12	kirby.media.mit.edu/18.85.21.34	1854
980416	7:46:17 PM	7750	276	18	148	699	mantis.eecs.wsu.edu/134.121.65.71	1855
980416	8:28:26 PM	1350	442	2	50	718	dt083n5d.san.rr.com/204.210.25.93	1856
980416	8:58:58 PM	3150	160	7	45	121	daga2pp67.alltel.net/166.102.118.68	1857
980416	9:03:45 PM	7350	254	15	124	286	daga2pp67.alltel.net/166.102.118.68	1858
980416	9:11:04 PM	0	28	0	0	2	mdempster5.sp.TRW.COM/129.193.35.86	1859
980416	9:19:40 PM	3900	196	8	85	278	146.49.212.43/146.49.212.43	1860
980416	9:20:22 PM	450	28	1	33	70	146.49.212.43/146.49.212.43	1861
980416	10:13:01 PM	0	16	0	0	0	oak-alg-gw3-17.ncal.verio.com/207.21.138.144	1862
980416	11:22:39 PM	1000	47	2	16	46	pm19.cs.washington.edu/128.95.8.173	1863
980416	11:55:13 PM	450	58	0	14	30	dial-167.nitnet.com.br/200.255.111.167	1864
980416	11:57:01 PM	3650	92	6	49	116	dial-167.nitnet.com.br/200.255.111.167	1865
980416	11:59:05 PM	0	84	0	0	0	dial-167.nitnet.com.br/200.255.111.167	1866
980417	12:06:10 AM	3000	65	5	37	101	dial-167.nitnet.com.br/200.255.111.167	1867
980417	12:13:33 AM	1550	63	2	19	68	dial-167.nitnet.com.br/200.255.111.167	1868
980417	2:20:41 AM	26550	1114	40	778	2788	dyn76ppp247.pacific.net.sg/210.24.76.247	1869
980417	2:37:47 AM	29600	1013	52	844	2436	dyn76ppp247.pacific.net.sg/210.24.76.247	1870
980417	4:22:06 AM	4050	222	9	56	241	c219-ciec028.starcon.com/207.230.232.219	1871
980417	4:34:58 AM	0	4	0	0	0	aws111.kyamk.fi/193.167.56.111	1872
980417	9:01:03 AM	10900	676	25	278	1559	dyn105ppp216.pacific.net.sg/210.24.105.216	1873
980417	9:10:46 AM	12750	567	30	312	1423	dyn105ppp216.pacific.net.sg/210.24.105.216	1874
980417	9:56:16 AM	0	5	0	0	0	dyn105ppp216.pacific.net.sg/210.24.105.216	1875
980417	10:06:02 AM	300	32	0	7	21	ppp-207-245-107-10.dbikel.static.oldcity.dca.net/207.245.107.10	1876
980417	10:07:44 AM	2400	87	4	43	122	ppp-207-245-107-10.dbikel.static.oldcity.dca.net/207.245.107.10	1877
980417	10:16:37 AM	26700	665	41	759	1432	dyn126ppp5.pacific.net.sg/210.24.126.5	1878
980417	10:25:11 AM	250	33	0	5	19	flock.auvicom.nl/195.240.45.200	1879
980417	10:25:59 AM	50	29	0	5	34	flock.auvicom.nl/195.240.45.200	1880
980417	10:28:21 AM	3600	127	13	134	412	flock.auvicom.nl/195.240.45.200	1881
980417	10:29:43 AM	1850	65	5	90	591	flock.auvicom.nl/195.240.45.200	1882
980417	10:40:30 AM	0	3	0	0	0	kirby.media.mit.edu/18.85.21.34	1883
980417	10:40:30 AM	700	71	0	15	68	user-37kba31.dialup.mindspring.com/207.69.168.97	1884
980417	10:42:42 AM	5250	128	13	116	360	user-37kba31.dialup.mindspring.com/207.69.168.97	1885
980417	11:16:33 AM	600	150	1	6	124	199.6.62.24/199.6.62.24	1886
980417	11:19:46 AM	1050	109	4	75	148	199.6.62.24/199.6.62.24	1887
980417	11:41:42 AM	3800	164	7	48	319	166-92-26.ipt.aol.com/152.166.92.26	1888
980417	11:49:41 AM	14050	465	27	393	942	166-92-26.ipt.aol.com/152.166.92.26	1889
980417	12:00:33 PM	15250	334	33	475	2014	zimba.eecs.wsu.edu/134.121.67.25	1890
980417	12:06:31 PM	10350	169	26	311	916	zimba.eecs.wsu.edu/134.121.67.25	1891
980417	12:29:45 PM	14850	350	29	602	2255	zimba.eecs.wsu.edu/134.121.67.25	1892
980417	12:34:21 PM	11950	261	24	494	1721	zimba.eecs.wsu.edu/134.121.67.25	1893
980417	12:38:05 PM	9700	208	20	337	1292	zimba.eecs.wsu.edu/134.121.67.25	1894
980417	12:38:18 PM	0	59	0	0	11	troll.studi.unizh.ch/130.60.73.11	1895
980417	12:41:59 PM	12100	189	24	464	1161	zimba.eecs.wsu.edu/134.121.67.25	1896
980417	12:57:16 PM	6750	266	17	177	396	249.new-york-12.ny.dial-access.att.net/12.68.11.249	1897
980417	1:02:00 PM	7150	268	18	157	593	249.new-york-12.ny.dial-access.att.net/12.68.11.249	1898
980417	1:05:12 PM	5650	175	11	115	307	249.new-york-12.ny.dial-access.att.net/12.68.11.249	1899
980417	1:10:50 PM	9150	320	19	205	688	249.new-york-12.ny.dial-access.att.net/12.68.11.249	1900
980417	1:12:28 PM	2650	81	5	52	108	249.new-york-12.ny.dial-access.att.net/12.68.11.249	1901
980417	2:24:00 PM	3500	62	7	65	107	cor02-6.ppp.iadfw.net/206.66.7.71	1902

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980417	2:34:33 PM	3800	215	8	46	170	s148.mc2-csr.com/204.107.238.148	1903
980417	2:35:34 PM	1350	44	5	51	114	s148.mc2-csr.com/204.107.238.148	1904
980417	2:37:15 PM	3950	86	8	49	149	s148.mc2-csr.com/204.107.238.148	1905
980417	2:48:05 PM	4850	229	11	89	395	s148.mc2-csr.com/204.107.238.148	1906
980417	2:54:32 PM	9450	230	23	193	467	s148.mc2-csr.com/204.107.238.148	1907
980417	2:57:51 PM	2900	117	6	34	418	1Qust128.tnt10.det3.da.uu.net/208.254.64.128	1908
980417	2:58:41 PM	250	25	0	5	31	1Qust128.tnt10.det3.da.uu.net/208.254.64.128	1909
980417	3:18:15 PM	9550	346	22	205	692	208.137.84.48/208.137.84.48	1910
980417	3:46:31 PM	1350	82	2	17	84	mose243.cruzio.com/207.251.15.243	1911
980417	4:09:06 PM	1700	60	5	29	109	165.29.121.246/165.29.121.246	1912
980417	4:13:00 PM	7750	219	17	196	340	165.29.121.246/165.29.121.246	1913
980417	5:44:17 PM	3050	76	5	33	129	ge.media.mit.edu/18.85.11.175	1914
980417	5:46:57 PM	4700	227	11	111	710	scient.media.mit.edu/18.85.11.177	1915
980417	5:47:05 PM	1050	172	4	60	221	s2n033.dialup.RWIH-Aachen.DE/137.226.3.33	1916
980417	5:48:55 PM	8450	262	17	180	1243	ge.media.mit.edu/18.85.11.175	1917
980417	5:52:26 PM	8400	311	21	157	1044	scient.media.mit.edu/18.85.11.177	1918
980417	6:17:58 PM	2850	87	5	33	214	tc1-25.utah-inter.net/208.14.200.35	1919
980417	6:25:15 PM	0	7	0	0	0	ge.media.mit.edu/18.85.11.175	1920
980417	6:29:18 PM	10600	226	27	208	1342	ge.media.mit.edu/18.85.11.175	1921
980417	6:30:48 PM	26900	445	46	766	2694	tc1-25.utah-inter.net/208.14.200.35	1922
980417	6:39:16 PM	29400	447	51	816	2686	tc1-25.utah-inter.net/208.14.200.35	1923
980417	6:43:14 PM	9350	217	22	165	1260	ge.media.mit.edu/18.85.11.175	1924
980417	6:45:35 PM	4450	174	11	82	688	175-147-153.ipt.aol.com/152.175.147.153	1925
980417	6:47:17 PM	10200	227	24	218	1578	ge.media.mit.edu/18.85.11.175	1926
980417	6:47:54 PM	28850	455	49	767	2512	tc1-25.utah-inter.net/208.14.200.35	1927
980417	6:48:14 PM	3800	142	8	46	679	175-147-153.ipt.aol.com/152.175.147.153	1928
980417	6:54:55 PM	28100	408	46	710	2466	tc1-25.utah-inter.net/208.14.200.35	1929
980417	7:01:42 PM	28650	386	47	723	2123	tc1-25.utah-inter.net/208.14.200.35	1930
980417	7:02:17 PM	2850	109	6	61	123	A17-202-12-122.apple.com/17.202.12.122	1931
980417	7:08:25 PM	0	36	0	1	39	A17-202-14-79.apple.com/17.202.14.79	1932
980417	7:29:46 PM	0	34	0	0	0	G022SEL.BIOS.UIC.EDU/131.193.234.119	1933
980417	7:36:37 PM	4500	122	9	83	385	fctnts06c42.nbnet.nb.ca/207.179.133.96	1934
980417	7:39:05 PM	5150	128	14	127	378	fctnts06c42.nbnet.nb.ca/207.179.133.96	1935
980417	8:46:57 PM	13550	395	31	363	1235	p164.sunbeach.net/205.214.199.186	1936
980417	9:22:13 PM	11150	315	20	253	576	DIALUP55.TNGIL.USIT.NET/208.24.80.55	1937
980417	9:27:48 PM	9500	319	19	274	662	DIALUP55.TNGIL.USIT.NET/208.24.80.55	1938
980417	9:37:32 PM	5100	159	12	87	775	ts238.wcnet.org/205.133.171.238	1939
980417	9:51:16 PM	600	22	1	6	25	brap.connectnet.com/207.110.0.58	1940
980417	10:09:43 PM	3600	89	6	50	140	circ-ras2-1-cs-11.dial.bright.net/209.143.14.115	1941
980417	10:09:51 PM	0	3	0	0	2	circ-ras2-1-cs-11.dial.bright.net/209.143.14.115	1942
980417	10:11:45 PM	5350	99	13	96	322	circ-ras2-1-cs-11.dial.bright.net/209.143.14.115	1943
980417	11:08:12 PM	2250	103	7	92	291	dialup-B089.europa.com/204.202.55.89	1944
980417	11:10:49 PM	5650	196	20	161	332	173-149-39.ipt.aol.com/152.173.149.39	1945
980417	11:13:21 PM	4700	135	9	89	225	173-149-39.ipt.aol.com/152.173.149.39	1946
980418	12:49:08 AM	4700	122	11	66	268	dialup13.nvt.net/207.3.71.122	1947
980418	12:51:37 AM	4650	133	11	97	595	dialup13.nvt.net/207.3.71.122	1948
980418	12:52:28 AM	1500	34	6	48	131	dialup13.nvt.net/207.3.71.122	1949
980418	12:53:23 AM	1500	37	2	40	76	dialup13.nvt.net/207.3.71.122	1950
980418	1:53:10 AM	0	18	0	0	0	s34-pm01.gatech.campus.mci.net/168.14.1.53	1951
980418	3:00:38 AM	50	65	0	24	70	209.60.126.45/209.60.126.45	1952
980418	3:14:48 AM	2350	161	8	87	234	user109.ascep2.snowhill.com/208.134.11.118	1953
980418	6:20:51 AM	0	98	0	15	16	mino-cas1-cs-8.newnorth.net/208.155.6.202	1954
980418	7:41:08 AM	6550	282	16	105	505	156-195.butte.cc.ca.us/198.189.156.195	1955
980418	8:48:23 AM	0	98	0	0	20	167.152.154.183/167.152.154.183	1956
980418	10:04:27 AM	5150	150	12	71	194	207.245.233.91/207.245.233.91	1957
980418	10:35:52 AM	8950	188	14	189	237	199.6.62.24/199.6.62.24	1958
980418	10:46:06 AM	4950	129	11	73	220	DIALUP43.TNGIL.USIT.NET/208.24.80.43	1959
980418	10:51:36 AM	8400	314	18	162	500	DIALUP43.TNGIL.USIT.NET/208.24.80.43	1960
980418	10:53:36 AM	5050	102	9	75	193	DIALUP43.TNGIL.USIT.NET/208.24.80.43	1961
980418	12:32:02 PM	4000	195	9	53	191	pm02-46.sac.ns.net/209.162.64.65	1962
980418	12:46:18 PM	2700	103	5	36	185	1Qust188.tnt12.tco2.da.uu.net/153.35.146.188	1963
980418	12:47:52 PM	3700	79	6	40	111	1Qust188.tnt12.tco2.da.uu.net/153.35.146.188	1964
980418	2:27:52 PM	14050	274	27	329	1008	igarashi.media.mit.edu/18.85.21.69	1965
980418	2:28:38 PM	1450	100	3	83	266	ti01a09-0058.dialup.online.no/130.67.2.122	1966
980418	2:31:57 PM	4350	130	9	52	215	ts002d10.mem-tn.concentric.net/206.83.83.70	1967
980418	2:32:42 PM	3400	78	8	69	181	circ-ras1-4-cs-18.dial.bright.net/209.143.14.96	1968
980418	2:34:13 PM	3750	75	8	63	139	circ-ras1-4-cs-18.dial.bright.net/209.143.14.96	1969
980418	2:35:07 PM	5200	171	12	81	355	ts002d10.mem-tn.concentric.net/206.83.83.70	1970
980418	2:36:14 PM	5000	103	13	138	663	circ-ras1-4-cs-18.dial.bright.net/209.143.14.96	1971
980418	2:37:52 PM	1150	99	4	63	146	van-as-02a09.direct.ca/204.174.248.57	1972
980418	2:38:44 PM	6400	194	17	163	579	ts002d10.mem-tn.concentric.net/206.83.83.70	1973
980418	2:39:52 PM	2250	103	9	113	338	van-as-02a09.direct.ca/204.174.248.57	1974
980418	2:40:18 PM	5150	115	15	147	839	circ-ras1-4-cs-18.dial.bright.net/209.143.14.96	1975
980418	2:42:22 PM	6250	115	18	163	687	circ-ras1-4-cs-18.dial.bright.net/209.143.14.96	1976
980418	2:55:32 PM	4650	179	11	95	353	cs1-15.pot.ptd.net/204.186.34.15	1977
980418	3:10:20 PM	4500	125	9	132	300	custome543.ipass.net/207.120.205.108	1978
980418	3:13:02 PM	7150	144	12	159	463	custome543.ipass.net/207.120.205.108	1979
980418	3:56:25 PM	5000	158	11	68	660	ibb0224.ibb.ruu.nl/131.211.124.224	1980
980418	4:24:09 PM	2650	153	5	32	114	tc2-30.riverfalls.Spacestar.Net/206.191.194.187	1981
980418	4:39:09 PM	13050	245	25	346	1352	igarashi.media.mit.edu/18.85.21.69	1982
980418	4:43:56 PM	2250	173	8	100	497	dt083n5d.san.rr.com/204.210.25.93	1983
980418	4:53:46 PM	3850	84	7	58	136	ppp13.annex1.stip.net/194.188.36.205	1984
980418	5:00:22 PM	31600	470	60	825	3567	igarashi.media.mit.edu/18.85.21.69	1985
980418	5:56:47 PM	200	89	0	34	105	dynamic-48.media.mit.edu/18.85.12.176	1986
980418	6:06:09 PM	4700	127	10	88	216	DIALUP6.TNGIL.USIT.NET/208.24.80.6	1987
980418	6:11:32 PM	13650	307	22	323	666	DIALUP6.TNGIL.USIT.NET/208.24.80.6	1988
980418	6:29:10 PM	2800	123	5	32	131	slip129-37-121-61.mo.us.ibm.net/129.37.121.61	1989
980418	6:30:44 PM	1950	79	3	35	90	slip129-37-121-61.mo.us.ibm.net/129.37.121.61	1990
980418	6:32:31 PM	3500	90	7	97	160	slip129-37-121-61.mo.us.ibm.net/129.37.121.61	1991
980418	6:43:10 PM	0	165	0	3	8	sdn-ts-001cacoviP07.dialsprint.net/206.133.184.26	1992
980418	7:45:24 PM	15450	693	46	363	2704	slip129-37-119-162.nc.us.ibm.net/129.37.119.162	1993
980418	7:49:34 PM	9350	227	21	244	660	slip129-37-119-162.nc.us.ibm.net/129.37.119.162	1994
980418	8:19:19 PM	16000	381	30	390	1087	tc1-115.utah-inter.net/208.14.200.125	1995
980418	9:27:52 PM	3250	111	6	41	178	134.132.207.131/134.132.207.131	1996
980418	9:30:34 PM	4050	146	10	87	285	134.132.207.131/134.132.207.131	1997
980418	9:34:38 PM	6100	228	16	144	1652	134.132.207.131/134.132.207.131	1998
980418	10:03:08 PM	1800	266	3	42	186	annex-d-5.media.mit.edu/18.85.14.222	1999
980418	10:14:00 PM	13750	421	36	397	1079	dialin09.internet1.net/206.250.31.209	2000
980418	10:15:06 PM	31350	554	59	819	2572	tc3-11.utah-inter.net/208.14.202.21	2001
980418	10:27:57 PM	16500	493	35	538	1414	dialin09.internet1.net/206.250.31.209	2002
980418	11:08:34 PM	2850	105	5	33	140	DMG.MIT.EDU/18.232.0.7	2003
980419	12:12:37 AM	4850	256	10	82	229	ip103.vegas.quik.com/207.38.35.103	2004
980419	12:15:08 AM	3900	136	10	88	240	ip103.vegas.quik.com/207.38.35.103	2005
980419	12:16:42 AM	28500	445	49	676	1230	glum.media.mit.edu/18.85.25.34	2006

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980419	12:29:51 AM	400	43	0	12	29	GS141.SP.CS.CMU.EDU/128.2.203.153	2007
980419	12:30:54 AM	1300	21	2	14	31	GS141.SP.CS.CMU.EDU/128.2.203.153	2008
980419	12:32:18 AM	3950	68	9	111	440	GS141.SP.CS.CMU.EDU/128.2.203.153	2009
980419	12:33:27 AM	3650	115	9	83	443	GS16.SP.CS.CMU.EDU/128.2.203.216	2010
980419	12:33:32 AM	2800	58	7	115	540	GS141.SP.CS.CMU.EDU/128.2.203.153	2011
980419	12:36:49 AM	4900	190	18	160	1086	GS16.SP.CS.CMU.EDU/128.2.203.216	2012
980419	2:19:34 AM	3550	113	8	61	241	ip77.an3-new-york4.ny.pub-ip.psi.net/38.26.14.77	2013
980419	2:21:17 AM	3250	88	10	109	186	ppp34a.merlin.net.au/203.20.229.162	2014
980419	2:22:47 AM	4300	176	11	99	450	ip77.an3-new-york4.ny.pub-ip.psi.net/38.26.14.77	2015
980419	2:41:21 AM	3250	226	6	35	908	dyn1-30.SanDiego.connectnet.com/206.251.151.30	2016
980419	5:05:28 AM	0	131	0	0	18	ancy1-238.abo.wanadoo.fr/193.252.140.238	2017
980419	5:07:32 AM	1050	110	2	20	165	ancy1-238.abo.wanadoo.fr/193.252.140.238	2018
980419	5:27:13 AM	4150	112	11	77	547	asd-isdn01-12.dial.xs4all.nl/194.109.46.13	2019
980419	5:32:00 AM	10950	275	27	296	1502	asd-isdn01-12.dial.xs4all.nl/194.109.46.13	2020
980419	6:55:14 AM	0	52	0	0	3	ruche.ens-info.uvsq.fr/193.51.26.201	2021
980419	7:23:26 AM	0	13	0	1	1	bartlet.df.lth.se/194.47.252.146	2022
980419	7:35:22 AM	7100	272	19	160	599	dialup-11-36.netcomuk.co.uk/194.42.230.228	2023
980419	9:02:19 AM	1050	60	1	16	63	brok.ifi.uio.no/129.240.64.29	2024
980419	12:07:26 PM	2550	128	4	54	105	p5-term3-mun.netdirect.net/204.248.214.94	2025
980419	12:17:54 PM	7250	614	21	155	1937	p5-term3-mun.netdirect.net/204.248.214.94	2026
980419	12:28:06 PM	6150	411	18	152	1407	dynamic-55.media.mit.edu/18.85.12.183	2027
980419	12:33:24 PM	8750	300	34	243	1715	dynamic-55.media.mit.edu/18.85.12.183	2028
980419	12:36:49 PM	6400	187	23	190	770	dynamic-55.media.mit.edu/18.85.12.183	2029
980419	12:46:41 PM	3200	246	7	58	568	dynamic-55.media.mit.edu/18.85.12.183	2030
980419	12:51:28 PM	5450	265	16	153	1046	dynamic-55.media.mit.edu/18.85.12.183	2031
980419	12:57:47 PM	8000	323	26	204	1330	dynamic-55.media.mit.edu/18.85.12.183	2032
980419	1:52:06 PM	8500	398	25	207	1859	dynamic-55.media.mit.edu/18.85.12.183	2033
980419	2:05:28 PM	5400	266	14	80	1139	dynamic-5.media.mit.edu/18.85.12.133	2034
980419	2:12:57 PM	29350	606	51	733	4226	igarashi.media.mit.edu/18.85.21.69	2035
980419	2:31:21 PM	22600	1536	75	488	4860	dynamic-5.media.mit.edu/18.85.12.133	2036
980419	2:44:03 PM	15700	740	38	557	3467	dynamic-5.media.mit.edu/18.85.12.133	2037
980419	4:41:48 PM	3800	113	8	112	191	195.198.30.20/195.198.30.20	2038
980419	4:48:41 PM	7200	179	13	121	213	lOust178.tntl.jacksonville.ar.da.uu.net/208.255.128.178	2039
980419	5:19:29 PM	8150	255	17	187	382	s148.mc2-csr.com/204.107.238.148	2040
980419	7:37:59 PM	700	64	1	17	46	glum.media.mit.edu/18.85.25.34	2041
980419	8:07:51 PM	3050	134	6	38	69	pm3sl7.shscomputer.com/207.51.85.117	2042
980419	8:12:12 PM	7200	245	17	108	242	pm3sl7.shscomputer.com/207.51.85.117	2043
980419	8:30:30 PM	6500	261	17	96	288	nkl001.netkonnect.net/208.198.32.98	2044
980419	8:32:10 PM	4650	191	10	67	812	dynamic-59.media.mit.edu/18.85.12.187	2045
980419	8:37:45 PM	9200	320	27	177	2026	dynamic-59.media.mit.edu/18.85.12.187	2046
980419	8:46:43 PM	11350	369	37	192	1677	dynamic-59.media.mit.edu/18.85.12.187	2047
980419	9:28:52 PM	1250	88	2	22	84	209.116.228.37/209.116.228.37	2048
980419	9:30:14 PM	2100	66	8	70	168	209.116.228.37/209.116.228.37	2049
980419	9:32:43 PM	14250	537	43	317	1130	sdn-ts-003kylouiP07.dialsprint.net/206.133.22.58	2050
980419	9:34:03 PM	4650	214	13	121	326	209.116.228.37/209.116.228.37	2051
980419	9:35:07 PM	1250	49	5	46	134	209.116.228.37/209.116.228.37	2052
980419	11:28:36 PM	350	627	1	19	62	p43-53.tnt-2.ij.net/209.4.43.53	2053
980420	2:41:13 AM	8850	177	20	183	513	pC19F8C66.dip.t-online.de/193.159.140.102	2054
980420	3:51:30 AM	2800	160	5	35	520	fire.abo.fi/130.232.208.35	2055
980420	4:28:05 AM	4850	148	11	128	349	194.223.233.40/194.223.233.40	2056
980420	5:07:04 AM	8350	208	18	174	529	gate.utb.boras.se/148.160.250.12	2057
980420	5:23:41 AM	1200	56	2	23	73	193.129.185.156/193.129.185.156	2058
980420	6:57:45 AM	1050	115	3	27	62	sara.wu-wien.ac.at/137.208.107.101	2059
980420	7:08:34 AM	1800	78	3	25	84	raf21.iiic.ethz.ch/129.132.179.91	2060
980420	7:20:12 AM	5400	334	13	72	1061	dynamic-48.media.mit.edu/18.85.12.176	2061
980420	7:33:41 AM	14200	533	28	460	2371	dynamic-48.media.mit.edu/18.85.12.176	2062
980420	7:36:15 AM	6100	138	16	154	919	dynamic-48.media.mit.edu/18.85.12.176	2063
980420	7:40:23 AM	9050	190	20	211	718	pc-33516.on.rogers.wave.ca/24.112.34.115	2064
980420	7:50:57 AM	200	65	0	6	9	194.129.182.204/194.129.182.204	2065
980420	8:31:28 AM	750	121	3	34	164	jwf27.acom.mil/137.246.14.245	2066
980420	8:38:17 AM	3000	48	5	32	80	209.160.99.22/209.160.99.22	2067
980420	8:41:51 AM	4850	199	11	96	549	209.160.99.22/209.160.99.22	2068
980420	8:44:00 AM	3700	112	9	70	444	209.160.99.22/209.160.99.22	2069
980420	8:44:08 AM	2300	160	5	68	736	209.160.99.16/209.160.99.16	2070
980420	8:45:21 AM	2000	48	7	92	150	209.160.99.16/209.160.99.16	2071
980420	8:45:34 AM	3850	74	9	72	385	209.160.99.22/209.160.99.22	2072
980420	8:57:32 AM	0	3	0	0	0	gwinston-iadn-home.cisco.com/171.68.166.90	2073
980420	8:57:56 AM	0	1	0	0	0	gwinston-iadn-home.cisco.com/171.68.166.90	2074
980420	9:03:33 AM	2850	230	5	33	118	desm-10-13.dialup.netins.net/167.142.14.142	2075
980420	9:34:19 AM	2200	269	4	31	189	A101015.sfo1.as.crl.com/168.75.101.15	2076
980420	9:35:47 AM	7650	153	14	148	296	AS52-06-34.cas-kitchener.golden.net/209.183.129.34	2077
980420	9:47:46 AM	2900	111	6	34	511	195.223.57.106/195.223.57.106	2078
980420	9:52:42 AM	1050	136	1	23	67	SanDiego1-2.SanDiego.Access1.net/207.104.109.155	2079
980420	10:17:37 AM	5350	382	13	86	365	156-195.butte.cc.ca.us/198.189.156.195	2080
980420	10:56:06 AM	50	55	0	1	36	drag73208.stud.ntnu.no/129.241.73.208	2081
980420	11:18:25 AM	600	113	1	9	18	rfhsi8005.fh-regensburg.de/194.95.108.67	2082
980420	11:51:15 AM	500	124	2	10	29	207.8.84.77/207.8.84.77	2083
980420	12:11:26 PM	1500	62	6	48	83	balok.perw.com/199.99.166.79	2084
980420	12:11:33 PM	4600	144	9	111	234	pawndog.resnet.uconn.edu/137.99.157.37	2085
980420	12:13:23 PM	1500	55	6	49	94	balok.perw.com/199.99.166.79	2086
980420	12:41:41 PM	2800	160	5	41	175	iax-vidalia-ppp064.iamerica.net/207.101.55.73	2087
980420	12:42:31 PM	1200	62	2	12	89	dynamic-41.media.mit.edu/18.85.12.169	2088
980420	12:47:05 PM	2950	104	6	58	768	209.160.99.8/209.160.99.8	2089
980420	1:28:55 PM	1150	113	1	18	62	EK2.PSY.CMU.EDU/128.2.248.58	2090
980420	1:30:12 PM	650	61	1	7	28	EK2.PSY.CMU.EDU/128.2.248.58	2091
980420	3:05:15 PM	5550	177	13	138	400	196-31-19-60.iafrica.com/196.31.19.60	2092
980420	3:06:55 PM	2400	183	4	26	61	davinci.math.duke.edu/152.3.25.30	2093
980420	3:10:48 PM	9650	291	24	216	803	196-31-19-60.iafrica.com/196.31.19.60	2094
980420	4:34:36 PM	0	8	0	0	0	198.30.208.58/198.30.208.58	2095
980420	6:39:26 PM	3750	102	8	51	195	dynamic46.pm09.mv.best.com/209.24.242.46	2096
980420	6:46:34 PM	3050	283	5	34	159	max8.joplin84.getonthe.net/208.142.6.84	2097
980420	6:56:15 PM	6850	564	21	159	1315	max8.joplin84.getonthe.net/208.142.6.84	2098
980420	7:01:29 PM	4850	295	13	91	762	max8.joplin84.getonthe.net/208.142.6.84	2099
980420	7:16:40 PM	4200	103	9	88	201	199.201.192.150/199.201.192.150	2100
980420	8:23:49 PM	29850	544	53	745	3767	igarashi.media.mit.edu/18.85.21.69	2101
980420	8:43:10 PM	5550	267	14	124	499	glacier21.comdt.uscg.mil/199.211.149.21	2102
980420	8:54:34 PM	1100	174	2	30	96	mdml-08.max1.gvi.net/208.12.255.8	2103
980420	8:55:37 PM	900	46	1	14	21	mdml-08.max1.gvi.net/208.12.255.8	2104
980420	8:58:40 PM	3400	165	5	40	109	mdml-08.max1.gvi.net/208.12.255.8	2105
980420	9:02:59 PM	4750	236	9	101	197	mdml-08.max1.gvi.net/208.12.255.8	2106
980420	9:07:12 PM	6950	237	15	124	334	mdml-08.max1.gvi.net/208.12.255.8	2107
980420	9:17:48 PM	8000	163	18	186	402	dialup-117.publab.ed.ac.uk/129.215.38.117	2108
980420	10:35:09 PM	2050	59	3	30	47	203.241.133.183/203.241.133.183	2109
980420	10:37:33 PM	5050	129	11	73	358	203.241.133.183/203.241.133.183	2110

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980421	3:37:35 AM	300	310	0	6	50	PC001590.reshall.uidaho.edu/129.101.139.107	2111
980421	5:40:24 AM	50	109	0	3	30	192.116.226.209/192.116.226.209	2112
980421	5:49:14 AM	2000	385	8	61	812	192.116.226.209/192.116.226.209	2113
980421	5:59:23 AM	50	45	0	5	22	ISDN1.sic.se/193.220.77.10	2114
980421	5:59:36 AM	0	603	0	0	470	192.116.226.209/192.116.226.209	2115
980421	6:08:31 AM	5000	113	20	117	1327	192.116.226.209/192.116.226.209	2116
980421	6:10:06 AM	1600	79	5	77	346	192.116.226.209/192.116.226.209	2117
980421	6:27:55 AM	500	22	2	42	58	glum.media.mit.edu/18.85.25.34	2118
980421	6:28:11 AM	5200	136	12	68	180	193.129.185.156/193.129.185.156	2119
980421	8:30:59 AM	150	86	0	8	27	193.78.125.38/193.78.125.38	2120
980421	10:16:36 AM	0	215	0	15	53	derf.cs.mun.ca/134.153.1.55	2121
980421	1:17:09 PM	3900	206	10	54	652	tcpac32.earthworld.com/198.145.145.46	2122
980421	1:39:49 PM	3150	63	8	69	167	204.185.27.75/204.185.27.75	2123
980421	1:44:23 PM	250	41	1	48	90	204.185.27.76/204.185.27.76	2124
980421	1:44:30 PM	7400	264	22	173	778	204.185.27.75/204.185.27.75	2125
980421	1:45:31 PM	500	47	2	32	146	204.185.27.76/204.185.27.76	2126
980421	1:46:39 PM	1500	55	6	65	173	204.185.27.76/204.185.27.76	2127
980421	1:47:38 PM	1000	44	4	48	158	204.185.27.76/204.185.27.76	2128
980421	1:52:10 PM	3500	255	7	40	237	204.185.27.76/204.185.27.76	2129
980421	1:53:08 PM	5550	139	15	115	679	pc156.max4060.ftech.co.uk/195.200.17.157	2130
980421	2:22:35 PM	3250	123	7	45	214	206.222.71.16/206.222.71.16	2131
980421	2:23:52 PM	3700	141	9	117	955	195.242.45.65/195.242.45.65	2132
980421	2:25:14 PM	2350	49	8	76	333	195.242.45.65/195.242.45.65	2133
980421	5:09:54 PM	2900	71	6	36	131	user-38lcar0.dialup.mindspring.com/209.86.43.96	2134
980421	5:28:24 PM	2800	108	5	65	112	max8.joplin90.getonthe.net/208.142.6.90	2135
980421	5:31:32 PM	4850	164	11	80	437	max8.joplin90.getonthe.net/208.142.6.90	2136
980421	5:58:07 PM	450	46	0	12	41	wk05.bard.edu/192.246.229.60	2137
980421	6:15:47 PM	0	3	0	0	0	porter.bevd.blacksburg.va.us/198.82.228.152	2138
980421	6:15:56 PM	9650	1986	21	197	619	166.41.205.41/166.41.205.41	2139
980421	6:19:45 PM	3750	197	7	58	283	porter.bevd.blacksburg.va.us/198.82.228.152	2140
980421	6:26:49 PM	2400	287	4	24	86	mdml-13.max2.gvi.net/208.12.252.65	2141
980421	6:34:36 PM	6350	410	14	99	223	mdml-13.max2.gvi.net/208.12.252.65	2142
980421	6:49:04 PM	3650	852	14	124	1628	mdml-13.max2.gvi.net/208.12.252.65	2143
980421	6:51:34 PM	6900	230	13	123	351	porter.bevd.blacksburg.va.us/198.82.228.152	2144
980421	7:04:18 PM	6500	149	12	107	193	mdml-13.max2.gvi.net/208.12.252.65	2145
980421	7:05:58 PM	3300	73	6	36	139	mdml-13.max2.gvi.net/208.12.252.65	2146
980421	8:13:52 PM	0	28	0	0	5	205.152.23.2/205.152.23.2	2147
980421	8:24:55 PM	1250	117	2	13	32	max8.joplin93.getonthe.net/208.142.6.93	2148
980421	8:27:50 PM	6450	159	13	163	261	max8.joplin93.getonthe.net/208.142.6.93	2149
980421	8:40:32 PM	9450	322	21	259	875	rhickman.campus.vt.edu/198.82.64.30	2150
980421	8:42:57 PM	5050	129	10	125	239	rhickman.campus.vt.edu/198.82.64.30	2151
980421	9:21:08 PM	0	731	0	11	114	user-37kb5js.dialup.mindspring.com/207.69.150.124	2152
980421	10:28:52 PM	7250	231	14	170	520	ml59.doubled.com/209.84.193.159	2153
980421	10:30:05 PM	1900	65	4	100	284	ml59.doubled.com/209.84.193.159	2154
980422	1:10:51 AM	1200	79	2	22	41	143.216.14.30/143.216.14.30	2155
980422	8:13:00 AM	0	6	0	1	1	glum.media.mit.edu/18.85.25.34	2156
980422	11:17:54 AM	700	29	1	8	45	204.7.161.88/204.7.161.88	2157
980422	11:34:14 AM	9300	165	19	181	342	grumb10.stud.kvl.dk/130.225.189.44	2158
980422	12:39:03 PM	11700	363	37	315	2937	Dialup243-169.Telenet.NET/208.13.243.169	2159
980422	12:45:13 PM	13400	353	38	338	1947	Dialup243-169.Telenet.NET/208.13.243.169	2160
980422	4:30:55 PM	600	78	2	59	108	port10.waverider.co.uk/194.207.148.39	2161
980422	4:32:22 PM	850	53	2	23	85	port10.waverider.co.uk/194.207.148.39	2162
980422	5:10:19 PM	4200	161	9	92	487	mckay.media.mit.edu/18.85.21.80	2163
980422	5:10:39 PM	0	4	0	0	1	mckay.media.mit.edu/18.85.21.80	2164
980422	5:29:26 PM	4450	151	9	70	181	207.22.218.77/207.22.218.77	2165
980422	5:30:58 PM	4300	127	10	92	278	mckay.media.mit.edu/18.85.21.80	2166
980422	5:33:20 PM	4700	126	10	65	339	mckay.media.mit.edu/18.85.21.80	2167
980422	5:39:46 PM	29850	371	53	746	1350	mckay.media.mit.edu/18.85.21.80	2168
980422	5:41:06 PM	5800	140	12	115	320	h189.ozemail1.ozemail.com.au/203.108.15.189	2169
980422	5:44:11 PM	6250	245	16	89	464	mckay.media.mit.edu/18.85.21.80	2170
980422	5:54:25 PM	12400	597	29	352	1749	mckay.media.mit.edu/18.85.21.80	2171
980422	6:37:58 PM	10350	343	25	209	1130	pool-207-205-150-13.chia.grid.net/207.205.150.13	2172
980422	7:14:59 PM	4050	58	7	59	131	gageppp2.hwcn.org/199.212.94.194	2173
980422	7:16:05 PM	2650	50	5	47	122	gageppp2.hwcn.org/199.212.94.194	2174
980422	9:11:09 PM	3000	85	6	39	135	203.240.157.24/203.240.157.24	2175
980422	10:32:39 PM	250	29	0	8	19	ppp98.207.redestb.es/195.122.207.98	2176
980422	11:57:10 PM	0	50	0	0	11	celerity.demon.co.uk/194.222.167.110	2177
980423	12:36:32 AM	0	89	0	0	5	PPP-86-11.BU.EDU/128.197.8.191	2178
980423	6:53:04 AM	4150	148	11	95	627	123.usr04.shef.dialup.force9.net/195.166.133.251	2179
980423	7:22:31 AM	2400	303	4	38	269	castle.bank.lv/159.148.33.253	2180
980423	7:27:29 AM	4550	281	11	61	296	castle.bank.lv/159.148.33.253	2181
980423	7:38:34 AM	1800	64	3	18	98	castle.bank.lv/159.148.33.253	2182
980423	7:44:06 AM	2300	74	5	35	66	castle.bank.lv/159.148.33.253	2183
980423	8:04:07 AM	5350	127	12	96	276	castle.bank.lv/159.148.33.253	2184
980423	8:05:46 AM	2400	84	4	24	505	castle.bank.lv/159.148.33.253	2185
980423	8:10:05 AM	4100	84	8	68	360	castle.bank.lv/159.148.33.253	2186
980423	8:12:35 AM	6250	134	11	113	594	castle.bank.lv/159.148.33.253	2187
980423	8:15:48 AM	7350	171	14	157	740	castle.bank.lv/159.148.33.253	2188
980423	9:22:46 AM	2000	187	8	103	196	207-172-62-121.s121.tnt2.rcm.erols.com/207.172.62.121	2189
980423	9:49:46 AM	0	101	0	0	1	dynamic-43.media.mit.edu/18.85.12.171	2190
980423	10:11:01 AM	30250	936	88	748	4224	dynamic-43.media.mit.edu/18.85.12.171	2191
980423	10:17:11 AM	28100	359	46	823	1720	dynamic-43.media.mit.edu/18.85.12.171	2192
980423	10:33:23 AM	200	82	0	8	14	host-120.concretemedia.com/207.240.49.120	2193
980423	4:14:57 PM	4450	185	9	106	309	205.138.223.69/205.138.223.69	2194
980423	4:57:05 PM	31950	599	54	830	2750	dynamic-16.media.mit.edu/18.85.12.144	2195
980423	5:43:49 PM	550	89	0	11	118	A17-202-13-85.apple.com/17.202.13.85	2196
980423	5:48:50 PM	3500	176	7	78	184	dyn-107-175.interval.com/199.170.107.175	2197
980423	7:19:33 PM	2050	106	3	39	95	ppp-011.m2-16.tor.ican.net/142.154.23.11	2198
980423	7:22:33 PM	8200	169	16	156	319	ppp-011.m2-16.tor.ican.net/142.154.23.11	2199
980423	7:50:29 PM	3300	75	6	72	97	glum.media.mit.edu/18.85.25.34	2200
980423	7:57:40 PM	0	26	0	18	20	glum.media.mit.edu/18.85.25.34	2201
980423	8:20:47 PM	0	16	0	0	0	glum.media.mit.edu/18.85.25.34	2203
980423	8:21:52 PM	0	1	0	0	0	glum.media.mit.edu/18.85.25.34	2204
980423	8:28:21 PM	0	10	0	18	21	glum.media.mit.edu/18.85.25.34	2205
980423	8:33:20 PM	2700	162	6	84	148	unknown-151-167.segasoft.com/206.189.151.167	2206
980423	8:58:12 PM	0	1	0	0	0	glum.media.mit.edu/18.85.25.34	2207
980423	9:01:08 PM	0	1	0	0	0	glum.media.mit.edu/18.85.25.34	2208
980423	9:08:56 PM	0	2	0	0	0	glum.media.mit.edu/18.85.25.34	2209
980423	9:10:24 PM	600	21	1	6	9	glum.media.mit.edu/18.85.25.34	2210
980423	10:36:47 PM	650	41	2	43	80	beowulf.ucsd.edu/132.239.17.2	2211
980424	8:16:17 AM	15050	90	25	256	774	frutiger.media.mit.edu/18.85.21.72	2212
980424	8:19:29 AM	30050	181	53	610	1873	frutiger.media.mit.edu/18.85.21.72	2213
980424	8:20:43 AM	7800	42	12	125	302	frutiger.media.mit.edu/18.85.21.72	2214
980424	8:23:07 AM	24600	128	43	405	1085	frutiger.media.mit.edu/18.85.21.72	2215

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980424	9:11:20 AM	21300	145	30	290	914	tschichold.media.mit.edu/18.85.21.71	2216
980424	10:19:11 AM	3300	236	6	47	287	150.113.82.96/150.113.82.96	2217
980424	10:41:11 AM	0	125	0	0	1	martinique.ai.fh-nuernberg.de/141.75.164.20	2218
980424	11:11:00 AM	3400	234	6	38	480	206.65.39.26/206.65.39.26	2219
980424	11:15:46 AM	3000	156	6	36	618	206.65.39.26/206.65.39.26	2220
980424	11:18:48 AM	2600	140	4	28	709	206.65.39.26/206.65.39.26	2221
980424	11:26:23 AM	15650	440	57	340	6427	206.65.39.26/206.65.39.26	2222
980424	11:31:58 AM	4350	103	7	72	242	206.65.39.26/206.65.39.26	2223
980424	11:37:03 AM	8100	282	17	166	1141	206.65.39.26/206.65.39.26	2224
980424	11:39:05 AM	4050	97	9	51	456	206.65.39.26/206.65.39.26	2225
980424	11:42:34 AM	0	48	0	120	371	206.65.39.26/206.65.39.26	2226
980424	11:45:01 AM	7400	130	17	231	1015	206.65.39.26/206.65.39.26	2227
980424	11:47:33 AM	7500	137	14	262	924	206.65.39.26/206.65.39.26	2228
980424	11:50:43 AM	8300	110	16	372	1069	206.65.39.26/206.65.39.26	2229
980424	11:51:50 AM	1200	40	2	12	27	frutiger.media.mit.edu/18.85.21.72	2230
980424	11:52:48 AM	8400	311	19	179	565	193.189.235.63/193.189.235.63	2231
980424	11:52:59 AM	4300	116	10	191	1004	206.65.39.26/206.65.39.26	2232
980424	11:59:58 AM	22250	400	43	613	3436	206.65.39.26/206.65.39.26	2233
980424	12:00:15 PM	9250	299	21	182	754	155.33.46.180/155.33.46.180	2234
980424	12:02:02 PM	8450	103	18	221	1066	206.65.39.26/206.65.39.26	2235
980424	12:05:02 PM	9900	143	19	403	1269	206.65.39.26/206.65.39.26	2236
980424	12:05:27 PM	8100	292	18	167	1218	155.33.46.180/155.33.46.180	2237
980424	12:12:29 PM	10750	272	31	303	1431	155.33.46.180/155.33.46.180	2238
980424	3:50:10 PM	37350	456	77	862	3632	dynamic-10.media.mit.edu/18.85.12.138	2239
980424	3:55:53 PM	9650	90	18	399	1060	dynamic-10.media.mit.edu/18.85.12.138	2240
980424	4:08:12 PM	4750	162	10	59	243	147.4.20.87/147.4.20.87	2241
980424	4:29:26 PM	3350	129	6	38	158	client.cabrillo.cc.ca.us/207.62.186.254	2242
980424	5:31:52 PM	3450	80	8	63	348	sp8.math.umn.edu/160.94.6.136	2243
980424	5:34:36 PM	4450	147	10	59	703	sp8.math.umn.edu/160.94.6.136	2244
980424	5:36:03 PM	3000	69	5	43	214	sp8.math.umn.edu/160.94.6.136	2245
980424	5:38:10 PM	6000	114	10	105	359	sp8.math.umn.edu/160.94.6.136	2246
980424	5:39:30 PM	4100	64	8	46	205	sp8.math.umn.edu/160.94.6.136	2247
980424	5:41:20 PM	4950	56	9	262	725	sp8.math.umn.edu/160.94.6.136	2248
980424	5:45:39 PM	25800	244	52	740	3225	sp8.math.umn.edu/160.94.6.136	2249
980424	5:49:36 PM	25650	216	54	710	2620	sp8.math.umn.edu/160.94.6.136	2250
980424	5:52:55 PM	19300	185	41	580	2846	sp8.math.umn.edu/160.94.6.136	2251
980424	6:12:50 PM	6350	151	18	133	409	t-csac-10-6-p16.dialup.wisc.edu/144.92.210.177	2252
980424	6:14:41 PM	5400	100	11	125	255	t-csac-10-6-p16.dialup.wisc.edu/144.92.210.177	2253
980424	6:48:50 PM	5400	49	12	103	590	igarashi.media.mit.edu/18.85.21.69	2254
980424	6:52:21 PM	19050	200	31	317	1254	igarashi.media.mit.edu/18.85.21.69	2255
980424	6:52:31 PM	50	37	0	67	82	unknown-151-225.segasoft.com/206.189.151.225	2256
980424	6:57:03 PM	4750	184	12	70	219	ts4-241.njcc.com/199.224.2.241	2257
980424	7:51:23 PM	3500	140	8	46	152	wlc77.cablelan.net/139.142.84.77	2258
980424	7:53:03 PM	1850	85	3	43	118	wlc77.cablelan.net/139.142.84.77	2259
980424	8:29:00 PM	2850	87	10	96	256	203.101.14.201/203.101.14.201	2260
980424	8:31:11 PM	5100	113	13	91	235	203.101.14.201/203.101.14.201	2261
980424	8:49:54 PM	3400	105	6	43	88	203.101.14.201/203.101.14.201	2262
980424	8:52:03 PM	3550	113	8	88	170	203.101.14.201/203.101.14.201	2263
980424	10:43:45 PM	300	140	0	87	161	ttyB06.our-town.com/206.64.104.69	2264
980424	10:44:19 PM	0	23	0	18	22	ttyB06.our-town.com/206.64.104.69	2265
980424	10:45:59 PM	300	82	0	101	128	ttyB06.our-town.com/206.64.104.69	2266
980424	10:46:45 PM	0	29	0	41	46	ttyB06.our-town.com/206.64.104.69	2267
980425	1:24:47 AM	0	54	0	4	23	asn.ne.mediaone.net/24.128.101.74	2268
980425	5:57:31 AM	0	3	0	0	0	glum.media.mit.edu/18.85.25.34	2269
980425	6:07:19 AM	1	1	1	1	1	glum.media.mit.edu/18.85.25.34	2270
980425	6:14:43 AM	0	2	0	0	0	glum.media.mit.edu/18.85.25.34	2271
980425	6:24:46 AM	0	1	0	0	0	glum.media.mit.edu/18.85.25.34	2272
980425	6:52:30 AM	3100	90	5	40	104	ztm-isdn02-03.dial.xs4all.nl/194.109.48.164	2273
980425	6:55:15 AM	8100	140	18	154	316	ztm-isdn02-03.dial.xs4all.nl/194.109.48.164	2274
980425	6:56:33 AM	0	1	0	0	0	glum.media.mit.edu/18.85.25.34	2275
980425	6:57:46 AM	7800	136	17	253	397	ztm-isdn02-03.dial.xs4all.nl/194.109.48.164	2276
980425	11:21:01 AM	4250	129	10	73	389	208.25.184.62/208.25.184.62	2277
980425	3:21:57 PM	250	147	0	13	32	pC19F5D8E.dip.t-online.de/193.159.61.142	2278
980425	4:13:55 PM	2900	165	8	114	247	199.6.61.73/199.6.61.73	2279
980425	4:15:50 PM	1500	95	6	98	254	199.6.61.73/199.6.61.73	2280
980425	4:32:02 PM	0	71	0	2	3	plewes.ca.toronto.edu/128.100.2.146	2281
980425	5:13:35 PM	3500	82	6	43	160	195.60.92.156/195.60.92.156	2282
980425	5:29:25 PM	2300	56	5	35	97	cx36536-a.vistal.sdca.home.com/24.0.178.52	2283
980425	5:32:55 PM	6100	117	13	186	346	cx36536-a.vistal.sdca.home.com/24.0.178.52	2284
980425	5:34:59 PM	3300	108	7	43	121	vanc01m01-25.bctel.ca/206.108.197.25	2285
980425	5:38:08 PM	7000	53	10	194	219	cx36536-a.vistal.sdca.home.com/24.0.178.52	2286
980425	5:39:27 PM	12100	249	20	278	470	vanc01m01-25.bctel.ca/206.108.197.25	2287
980425	5:40:13 PM	8150	65	12	193	285	cx36536-a.vistal.sdca.home.com/24.0.178.52	2288
980425	6:01:12 PM	3500	30	5	75	125	cx36536-a.vistal.sdca.home.com/24.0.178.52	2289
980425	6:06:35 PM	4250	56	7	101	119	cx36536-a.vistal.sdca.home.com/24.0.178.52	2290
980425	8:53:28 PM	3900	109	8	53	173	phx01temp160.agum.mci.com/205.218.173.160	2291
980426	12:04:58 AM	4500	197	11	60	268	midkemia.xnet.com/204.248.48.27	2292
980426	12:14:58 AM	500	61	2	37	90	1Cust247.tnt1.valparaiso.in.da.uu.net/153.37.208.247	2293
980426	12:16:21 AM	1100	55	4	53	113	1Cust247.tnt1.valparaiso.in.da.uu.net/153.37.208.247	2294
980426	12:51:58 AM	2550	170	7	55	189	171-213-114.ipt.aol.com/152.171.213.114	2295
980426	12:58:16 AM	7900	363	23	164	975	171-213-114.ipt.aol.com/152.171.213.114	2296
980426	1:01:32 AM	11650	485	25	322	739	spc-isp-tor-uas-18-14.sprint.ca/209.5.19.115	2297
980426	7:13:03 AM	2400	90	4	24	308	msn-54.aul.b.uunet.de/149.229.255.54	2298
980426	8:10:00 AM	0	31	0	0	1	dul29-249.ppp.algonet.se/195.100.249.129	2299
980426	1:03:10 PM	1850	173	3	19	70	qtas0320.singnet.com.sg/165.21.56.150	2300
980426	1:04:01 PM	600	37	1	8	27	qtas0320.singnet.com.sg/165.21.56.150	2301
980426	2:05:46 PM	0	253	0	0	0	fr-hall-student-54.lut.ac.uk/131.231.242.54	2302
980426	2:06:01 PM	800	78	3	61	116	fwasc6-19.flash.net/209.30.15.19	2303
980426	2:22:18 PM	0	20	0	0	3	sul1-8.ida.liu.se/130.236.186.127	2304
980426	2:34:55 PM	1250	44	2	13	45	max8-joplin88.getonthe.net/208.142.6.88	2305
980426	4:30:54 PM	7100	218	20	148	524	fw.itas.net/142.176.17.36	2306
980426	6:43:43 PM	2650	183	6	75	192	207-172-131-71.s8.as14.col.erols.com/207.172.131.71	2307
980426	6:45:38 PM	2050	99	5	57	184	207-172-131-71.s8.as14.col.erols.com/207.172.131.71	2308
980426	6:46:29 PM	4250	265	10	58	153	WS-LGSPO-04.dyess.af.mil/131.59.193.84	2309
980426	6:47:31 PM	1850	46	6	90	114	WS-LGSPO-04.dyess.af.mil/131.59.193.84	2310
980426	6:50:09 PM	3950	253	15	110	216	207-172-131-71.s8.as14.col.erols.com/207.172.131.71	2311
980426	6:56:54 PM	0	74	0	0	0	cpc04-acrs.tccw.wku.edu/161.6.9.13	2312
980426	6:57:10 PM	8400	404	18	138	611	207-172-131-71.s8.as14.col.erols.com/207.172.131.71	2313
980426	7:32:27 PM	0	114	0	0	7	hp-99.cae.wisc.edu/144.92.241.119	2314
980427	6:31:12 AM	3750	92	8	48	199	194.68.71.65/194.68.71.65	2315
980427	7:11:06 AM	1850	35	3	24	55	firewall.krak.dk/193.89.85.2	2318
980427	7:11:29 AM	6050	128	14	175	355	beluga.cs.columbia.edu/128.59.22.148	2319
980427	7:12:13 AM	3650	95	7	64	374	beluga.cs.columbia.edu/128.59.22.148	2320
980427	7:12:51 AM	1850	86	6	65	177	pax-166.cis.ru/194.58.133.166	2321

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980427	7:13:19 AM	8800	154	17	143	317	pax-166.cis.ru/194.58.133.166	2322
980427	7:13:47 AM	1250	90	4	50	106	anduin.et.tudelft.nl/130.161.39.34	2323
980427	7:14:09 AM	1550	62	6	49	143	anduin.et.tudelft.nl/130.161.39.34	2324
980427	10:24:43 AM	1800	153	3	25	101	208.223.32.151/208.223.32.151	2326
980427	11:03:23 AM	3350	138	5	50	458	194.47.138.86/194.47.138.86	2327
980427	11:27:51 AM	0	149	0	3	26	cynthiav.hu.bonus.com/195.228.57.122	2328
980427	11:29:55 AM	0	101	0	0	0	cynthiav.hu.bonus.com/195.228.57.122	2329
980427	11:44:59 AM	0	154	0	5	23	198.36.224.177/198.36.224.177	2330
980427	1:41:22 PM	2250	109	9	81	234	p17.tc9.metro.MA.tiac.com/209.61.77.18	2331
980427	3:16:44 PM	9400	168	19	430	924	dynamic-18.media.mit.edu/18.85.12.146	2332
980427	3:19:31 PM	18500	155	31	492	867	dynamic-18.media.mit.edu/18.85.12.146	2333
980427	5:07:53 PM	0	96	0	0	0	198.243.81.15/198.243.81.15	2334
980427	6:56:28 PM	3700	87	9	70	253	nemesis.halib.washington.edu/128.95.122.69	2335
980427	6:58:38 PM	0	21	0	7	19	tschichold.media.mit.edu/18.85.21.71	2336
980427	6:59:14 PM	0	21	0	27	27	tschichold.media.mit.edu/18.85.21.71	2337
980427	6:59:45 PM	1100	15	1	34	35	tschichold.media.mit.edu/18.85.21.71	2338
980427	7:10:37 PM	0	11	0	18	18	tschichold.media.mit.edu/18.85.21.71	2339
980427	7:11:06 PM	0	13	0	21	22	tschichold.media.mit.edu/18.85.21.71	2340
980427	7:11:33 PM	1300	11	1	38	38	tschichold.media.mit.edu/18.85.21.71	2341
980427	7:12:17 PM	250	21	0	5	30	tschichold.media.mit.edu/18.85.21.71	2342
980427	7:12:58 PM	750	27	1	9	37	tschichold.media.mit.edu/18.85.21.71	2343
980427	7:13:30 PM	600	16	1	6	8	tschichold.media.mit.edu/18.85.21.71	2344
980427	7:15:30 PM	1700	80	4	39	112	tschichold.media.mit.edu/18.85.21.71	2345
980427	7:16:11 PM	600	26	1	9	9	tschichold.media.mit.edu/18.85.21.71	2346
980427	7:16:54 PM	600	27	1	14	21	tschichold.media.mit.edu/18.85.21.71	2347
980427	7:17:34 PM	50	26	0	13	51	tschichold.media.mit.edu/18.85.21.71	2348
980427	7:29:16 PM	1750	137	3	41	106	205.149.126.101/205.149.126.101	2349
980427	8:03:30 PM	5050	262	11	75	242	nimbus08.umd.edu/129.2.4.22	2350
980427	8:49:52 PM	2550	161	6	102	251	cust174.webbernet.net/208.205.95.174	2351
980427	8:53:12 PM	5350	169	8	173	400	cust174.webbernet.net/208.205.95.174	2352
980427	8:57:22 PM	7050	65	10	179	268	cust174.webbernet.net/208.205.95.174	2353
980428	11:21:14 AM	200	322	0	11	24	s1-3.vipxlnet.com/206.47.93.13	2354
980428	11:28:17 AM	4050	128	9	54	181	206.215.193.2/206.215.193.2	2355
980428	11:57:59 AM	3400	303	9	101	433	aladin.eur.nl/130.115.1.102	2356
980428	12:56:00 PM	3200	82	7	40	115	194.215.211.28/194.215.211.28	2357
980428	2:08:05 PM	600	133	1	52	79	198.36.224.178/198.36.224.178	2358
980428	2:22:41 PM	1550	61	4	61	79	207.73.129.121/207.73.129.121	2359
980428	2:23:34 PM	2700	37	4	31	82	207.73.129.121/207.73.129.121	2360
980428	5:47:33 PM	1800	67	3	55	178	207.15.215.156/207.15.215.156	2361
980428	5:56:00 PM	2400	83	5	73	178	207.15.215.156/207.15.215.156	2362
980428	6:24:12 PM	2300	77	5	60	90	firewall.sdnet.net/137.118.11.193	2363
980428	6:48:33 PM	3900	131	9	88	307	199.201.192.150/199.201.192.150	2364
980428	8:22:41 PM	650	85	2	15	50	62.76.6.15/62.76.6.15	2365
980428	8:38:05 PM	3300	231	6	36	390	200-62-175.ipt.aol.com/152.200.62.175	2366
980428	8:40:42 PM	10100	778	25	236	720	128.100.46.54/128.100.46.54	2367
980428	8:41:41 PM	0	4	0	0	0	128.100.46.54/128.100.46.54	2368
980428	8:42:08 PM	4750	168	11	88	232	202-131-203.ipt.aol.com/152.202.131.203	2369
980428	9:53:08 PM	0	48	0	0	15	207.194.176.164/207.194.176.164	2370
980428	10:18:10 PM	5850	177	17	144	425	ppp077.connect.ab.ca/207.34.79.77	2371
980428	11:37:08 PM	1250	109	5	69	149	liv16-43.idirect.com/207.136.108.107	2372
980429	1:35:33 AM	7750	244	17	206	588	cs208-15.student.washington.edu/140.142.171.118	2373
980429	2:43:36 AM	0	50	0	3	11	lithium.helios.nd.edu/129.74.220.3	2374
980429	4:31:03 AM	5250	269	21	173	920	dialup97-2-13.swipnet.se/130.244.97.77	2375
980429	5:19:31 AM	0	131	0	0	43	cynthiav.hu.bonus.com/195.228.57.122	2376
980429	6:44:08 AM	3900	79	10	100	165	d84.ryd.student.liu.se/130.236.235.84	2377
980429	6:47:04 AM	10250	161	21	229	424	d84.ryd.student.liu.se/130.236.235.84	2378
980429	8:16:23 AM	2650	75	5	39	135	PC-26-17.annapolis.nscc.ns.ca/142.227.26.17	2379
980429	9:58:20 AM	5200	129	13	108	323	38.230.14.107/38.230.14.107	2380
980429	10:06:00 AM	4300	153	11	103	288	38.230.14.95/38.230.14.95	2381
980429	11:07:31 AM	3250	58	6	43	101	ws107.ini.cz/195.212.195.107	2382
980429	11:08:48 AM	2400	60	5	34	148	ws107.ini.cz/195.212.195.107	2383
980429	11:32:06 AM	2200	84	5	43	110	ws103.ini.cz/195.212.195.103	2384
980429	11:33:22 AM	350	65	0	14	53	porsche.pd.london.sco.com/150.126.9.73	2385
980429	12:39:49 PM	1400	64	2	23	59	h0010107.smith.ilstu.edu/138.87.201.7	2386
980429	12:41:14 PM	2300	28	3	109	131	h0010107.smith.ilstu.edu/138.87.201.7	2387
980429	2:10:52 PM	0	69	0	0	2	208.148.188.31/208.148.188.31	2388
980429	2:13:42 PM	4550	153	9	58	186	208.148.188.31/208.148.188.31	2389
980429	2:15:02 PM	2700	56	5	53	128	208.148.188.31/208.148.188.31	2390
980429	2:17:07 PM	2900	92	6	34	98	208.148.188.31/208.148.188.31	2391
980429	2:21:38 PM	2900	102	6	38	127	208.148.188.31/208.148.188.31	2392
980429	2:24:25 PM	5250	151	12	78	286	208.148.188.31/208.148.188.31	2393
980429	2:26:02 PM	3750	80	9	51	175	208.148.188.31/208.148.188.31	2394
980429	3:13:44 PM	3000	51	5	30	53	wireless-83.media.mit.edu/18.85.18.83	2395
980429	3:20:55 PM	44950	1898	106	1288	4846	38.230.14.95/38.230.14.95	2396
980429	3:53:06 PM	20000	996	46	614	2104	38.230.14.95/38.230.14.95	2397
980429	3:55:16 PM	1250	90	4	71	223	205.218.188.79/205.218.188.79	2398
980429	4:24:00 PM	3550	140	7	48	139	168.28.83.151/168.28.83.151	2399
980429	4:27:37 PM	4800	181	10	119	423	168.28.83.151/168.28.83.151	2400
980429	4:29:08 PM	3400	92	8	47	132	208.148.188.31/208.148.188.31	2401
980429	4:31:21 PM	3800	119	15	130	246	208.148.188.31/208.148.188.31	2402
980429	4:34:47 PM	4000	187	15	114	235	208.148.188.31/208.148.188.31	2403
980429	4:39:37 PM	6950	191	27	173	328	208.148.188.31/208.148.188.31	2404
980429	4:41:18 PM	4250	84	8	67	212	208.148.188.31/208.148.188.31	2405
980429	4:42:54 PM	250	62	0	5	9	c266216.extern.lawrenceville.org/38.162.66.216	2406
980429	4:45:00 PM	7900	206	17	167	539	208.148.188.31/208.148.188.31	2407
980429	4:47:49 PM	5150	151	12	68	530	208.148.188.31/208.148.188.31	2408
980429	4:48:06 PM	0	4	0	0	0	208.148.188.31/208.148.188.31	2409
980429	4:52:21 PM	8400	170	18	155	477	208.148.188.31/208.148.188.31	2410
980429	4:53:48 PM	4100	60	8	67	179	208.148.188.31/208.148.188.31	2411
980429	5:27:15 PM	10450	223	22	287	664	208.148.188.31/208.148.188.31	2412
980429	5:29:46 PM	7000	134	17	125	506	208.148.188.31/208.148.188.31	2413
980429	5:33:39 PM	6800	195	17	124	544	208.148.188.31/208.148.188.31	2414
980429	5:48:35 PM	3450	171	8	57	231	206.6.58.134/206.6.58.134	2415
980429	7:08:28 PM	0	53	0	3	10	thelonious.new.ox.ac.uk/163.1.145.129	2416
980429	7:47:09 PM	0	77	0	0	6	du68-1.ppp.algonet.se/195.100.1.68	2417
980429	7:48:18 PM	750	52	2	53	137	du68-1.ppp.algonet.se/195.100.1.68	2418
980429	7:51:52 PM	3750	198	9	112	368	du68-1.ppp.algonet.se/195.100.1.68	2419
980429	8:50:14 PM	7700	240	15	190	463	208-211-100-207.dynamic.nwol.net/208.211.100.207	2420
980429	10:37:09 PM	1800	74	3	18	30	trt-on20-34.netcom.ca/207.181.87.162	2421
980429	10:39:06 PM	2050	100	3	23	95	trt-on20-34.netcom.ca/207.181.87.162	2422
980429	11:36:48 PM	2300	98	7	57	157	c1-31.kclab.mohave.cc.az.us/206.207.55.210	2423
980430	1:38:08 AM	5200	143	11	179	360	du132-4.ppp.algonet.se/195.100.4.132	2424
980430	1:38:52 AM	50	24	0	41	82	du132-4.ppp.algonet.se/195.100.4.132	2425
980430	1:39:24 AM	50	17	0	30	48	du132-4.ppp.algonet.se/195.100.4.132	2426

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980430	1:40:19 AM	3350	37	4	79	105	du132-4.ppp.algonet.se/195.100.4.132	2427
980430	1:45:53 AM	4900	109	11	81	548	h0010107.smith.ilstu.edu/138.87.201.7	2428
980430	2:51:35 AM	3200	542	7	57	262	FOS2-37.marinemwr.or.jp/202.239.141.37	2429
980430	4:18:15 AM	2600	218	6	77	223	dmitche.doa.state.la.us/192.206.109.131	2430
980430	4:38:23 AM	6550	216	12	101	289	adl14-169.megix.com.eg/165.21.114.169	2431
980430	4:42:27 AM	7450	220	15	139	432	adl14-169.megix.com.eg/165.21.114.169	2432
980430	5:15:54 AM	0	356	0	0	18	h38.s25.ts30.hinet.net/163.30.25.38	2433
980430	6:32:00 AM	5000	260	12	91	444	SY-A08-pool-189.tmns.net.au/139.134.92.189	2434
980430	6:36:39 AM	8600	262	32	234	588	SY-A08-pool-189.tmns.net.au/139.134.92.189	2435
980430	6:54:31 AM	4800	176	15	112	561	21.new-york-10.ny.dial-access.att.net/12.68.9.21	2436
980430	7:07:18 AM	4600	151	11	62	296	210.112.207.253/210.112.207.253	2437
980430	7:25:14 AM	4600	107	11	113	336	193.45.130.36/193.45.130.36	2438
980430	8:02:23 AM	0	1	0	0	0	tlo63p74.telia.com/195.198.44.74	2439
980430	8:15:54 AM	2200	142	4	26	302	150.104.89.177/150.104.89.177	2440
980430	8:16:26 AM	5500	274	15	82	448	s4-33.dialup.seed.net.tw/139.175.4.33	2441
980430	8:19:08 AM	4700	308	10	62	448	168.221.114.152/168.221.114.152	2442
980430	8:19:46 AM	3100	185	10	105	531	s4-33.dialup.seed.net.tw/139.175.4.33	2443
980430	8:25:08 AM	3350	305	6	41	878	s4-33.dialup.seed.net.tw/139.175.4.33	2444
980430	9:05:58 AM	250	181	1	38	130	ppp108.brandywine.net/207.106.54.40	2445
980430	9:13:42 AM	950	92	1	13	75	morph.gmd.de/192.76.245.44	2446
980430	9:14:55 AM	0	49	0	12	14	morph.gmd.de/192.76.245.44	2447
980430	9:15:05 AM	5850	298	17	163	1317	stk-pw223.gotnet.net/207.104.58.223	2448
980430	9:15:31 AM	2100	292	7	82	591	ppp108.brandywine.net/207.106.54.40	2449
980430	9:16:20 AM	1700	59	6	100	162	stk-pw223.gotnet.net/207.104.58.223	2450
980430	9:17:24 AM	600	96	1	6	57	ppp108.brandywine.net/207.106.54.40	2451
980430	9:19:14 AM	3800	158	8	46	519	stk-pw223.gotnet.net/207.104.58.223	2452
980430	9:26:36 AM	8300	532	15	226	1014	ppp108.brandywine.net/207.106.54.40	2453
980430	9:34:26 AM	9750	442	22	251	658	ppp108.brandywine.net/207.106.54.40	2454
980430	9:40:05 AM	7900	322	15	169	579	ppp108.brandywine.net/207.106.54.40	2455
980430	9:45:50 AM	7650	327	15	139	489	ppp108.brandywine.net/207.106.54.40	2456
980430	10:00:07 AM	3750	168	8	45	298	dialup187-2-12.swipnet.se/130.244.187.76	2457
980430	10:45:44 AM	1950	49	6	74	105	wsl03.ini.cz/195.212.195.103	2458
980430	10:46:19 AM	0	92	0	11	48	208.158.171.12/208.158.171.12	2459
980430	11:15:47 AM	4500	390	10	93	440	168.221.114.131/168.221.114.131	2460
980430	11:22:27 AM	6150	382	19	155	675	168.221.114.131/168.221.114.131	2461
980430	11:28:25 AM	500	144	2	19	49	h187n105.cpeboe.kl2.oh.us/198.203.105.187	2462
980430	11:29:10 AM	2400	182	5	32	345	168.221.114.131/168.221.114.131	2463
980430	11:32:16 AM	4300	399	11	101	512	deam-16-55.dialup.netins.net/167.142.17.184	2464
980430	11:32:35 AM	4000	188	8	102	344	168.221.114.131/168.221.114.131	2465
980430	11:34:53 AM	3500	122	7	75	198	168.221.114.131/168.221.114.131	2466
980430	11:34:55 AM	1550	142	5	89	200	deam-16-55.dialup.netins.net/167.142.17.184	2467
980430	11:37:51 AM	3900	157	10	60	237	168.221.114.131/168.221.114.131	2468
980430	11:39:15 AM	1900	245	3	21	247	deam-16-55.dialup.netins.net/167.142.17.184	2469
980430	11:41:26 AM	3750	289	14	135	715	168.221.114.132/168.221.114.132	2470
980430	11:41:36 AM	1950	142	5	50	216	168.221.114.125/168.221.114.125	2471
980430	11:43:18 AM	1400	81	2	18	78	168.221.114.125/168.221.114.125	2472
980430	11:44:36 AM	550	90	1	28	276	jamm.calibresys.com/208.206.170.15	2473
980430	11:45:20 AM	1400	28	4	63	117	jamm.calibresys.com/208.206.170.15	2474
980430	11:45:40 AM	100	134	0	18	108	168.221.114.126/168.221.114.126	2475
980430	11:45:54 AM	3750	376	9	53	333	deam-16-55.dialup.netins.net/167.142.17.184	2476
980430	11:48:54 AM	1050	158	1	83	231	deam-16-55.dialup.netins.net/167.142.17.184	2477
980430	11:50:24 AM	2750	253	9	88	220	168.221.114.126/168.221.114.126	2478
980430	11:55:11 AM	950	242	3	67	238	168.221.114.126/168.221.114.126	2479
980430	11:55:13 AM	0	85	0	0	2	170.143.130.162/170.143.130.162	2480
980430	12:08:17 PM	0	109	0	2	5	204.133.199.140/204.133.199.140	2481
980430	12:14:22 PM	11000	339	42	276	687	209.2.245.26/209.2.245.26	2482
980430	12:31:23 PM	6850	269	12	143	446	ppp108.brandywine.net/207.106.54.40	2483
980430	12:34:26 PM	4050	166	9	85	298	ppp108.brandywine.net/207.106.54.40	2484
980430	1:20:26 PM	4100	545	9	56	344	202.175.3.111/202.175.3.111	2485
980430	1:23:30 PM	1200	36	1	90	92	168.99.152.81/168.99.152.81	2486
980430	1:31:46 PM	7100	191	13	157	246	sun21.engin.brown.edu/128.148.54.31	2487
980430	1:33:32 PM	24950	180	41	402	1606	kirby.media.mit.edu/18.85.21.34	2488
980430	1:46:00 PM	750	171	1	49	62	st227.d50.tazewell.k12.IL.US/207.63.38.227	2489
980430	1:54:28 PM	1300	124	2	19	91	st227.d50.tazewell.k12.IL.US/207.63.38.227	2490
980430	2:02:27 PM	4950	503	10	105	433	st227.d50.tazewell.k12.IL.US/207.63.38.227	2491
980430	2:07:36 PM	1450	161	3	91	195	st227.d50.tazewell.k12.il.us/207.63.38.227	2492
980430	2:31:01 PM	3250	69	6	41	112	206.135.224.253/206.135.224.253	2493
980430	2:35:52 PM	3550	80	6	49	144	208.224.45.32/208.224.45.32	2494
980430	2:37:58 PM	2450	110	4	35	69	208.224.45.32/208.224.45.32	2495
980430	2:40:07 PM	1950	93	3	21	106	208.224.45.42/208.224.45.42	2496
980430	2:40:11 PM	4550	119	7	86	148	208.224.45.32/208.224.45.32	2497
980430	2:42:12 PM	4450	105	10	125	259	208.224.45.32/208.224.45.32	2498
980430	2:43:27 PM	4800	173	12	83	471	208.224.45.42/208.224.45.42	2499
980430	2:44:01 PM	5800	94	14	137	342	208.224.45.32/208.224.45.32	2500
980430	2:56:10 PM	350	172	1	7	10	dyn101ppp47.pacific.net.sg/210.24.101.47	2501
980430	2:59:32 PM	4500	197	9	118	328	dyn101ppp47.pacific.net.sg/210.24.101.47	2502
980430	3:14:04 PM	18750	898	49	551	1895	ppp-6-19.nn.visi.net/206.246.199.147	2503
980430	3:36:14 PM	1900	104	6	58	315	wav4-cs-2.dial.bright.net/205.212.155.54	2504
980430	3:38:39 PM	1350	130	5	95	554	wav4-cs-2.dial.bright.net/205.212.155.54	2505
980430	3:39:54 PM	2200	61	6	83	192	wav4-cs-2.dial.bright.net/205.212.155.54	2506
980430	4:01:25 PM	5250	257	14	121	348	209.66.196.173/209.66.196.173	2507
980430	4:14:40 PM	750	75	3	34	124	ts71ip52.cadvision.com/207.228.76.52	2508
980430	4:15:37 PM	1650	41	6	50	190	ts71ip52.cadvision.com/207.228.76.52	2509
980430	4:16:36 PM	1750	44	7	52	207	ts71ip52.cadvision.com/207.228.76.52	2510
980430	4:18:31 PM	0	79	0	0	7	dyn1-tnt1-28.cleveland.oh.ameritech.net/199.179.175.28	2511
980430	4:21:49 PM	11550	295	42	268	1563	ts71ip52.cadvision.com/207.228.76.52	2512
980430	4:22:40 PM	2400	159	4	27	139	pub-10-a-7.dialup.umn.edu/160.94.25.7	2513
980430	4:23:52 PM	4850	107	13	132	379	ts71ip52.cadvision.com/207.228.76.52	2514
980430	4:24:15 PM	3700	60	6	38	110	knx-tn7-14.ix.netcom.com/205.184.139.174	2515
980430	4:28:48 PM	1250	107	5	45	140	168.28.82.83/168.28.82.83	2516
980430	4:32:50 PM	4800	155	10	96	308	user-37kb6tk.dialup.mindspring.com/207.69.155.180	2517
980430	4:36:56 PM	7350	231	15	138	456	user-37kb6tk.dialup.mindspring.com/207.69.155.180	2518
980430	4:43:35 PM	3900	175	10	60	262	van-as-06b02.direct.ca/204.174.249.66	2519
980430	4:49:28 PM	1200	104	3	31	95	slip166-72-247-107.ma.us.ibm.net/166.72.247.107	2520
980430	4:49:31 PM	7800	300	17	159	634	van-as-06b02.direct.ca/204.174.249.66	2521
980430	4:53:06 PM	1850	352	5	99	616	dial-as2-34.peci.net/206.160.255.36	2522
980430	5:25:10 PM	3500	141	7	45	96	rcw1-01-40.dialup.netins.net/209.152.68.105	2523
980430	5:27:06 PM	3000	100	5	33	81	rcw1-01-40.dialup.netins.net/209.152.68.105	2524
980430	5:28:06 PM	750	42	3	36	61	rcw1-01-40.dialup.netins.net/209.152.68.105	2525
980430	5:31:05 PM	3700	163	7	44	157	rcw1-01-40.dialup.netins.net/209.152.68.105	2526
980430	5:33:09 PM	3750	112	10	117	226	dialin-12.poughkeepsie.bestweb.net/209.94.109.46	2527
980430	5:33:43 PM	1650	92	6	84	186	AS52-15-240.cas-kit.golden.net/209.183.130.240	2528
980430	5:36:18 PM	200	195	0	4	27	slip129-37-206-39.in.us.ibm.net/129.37.206.39	2529
980430	5:37:08 PM	2900	133	5	51	271	AS52-15-240.cas-kit.golden.net/209.183.130.240	2530

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980430	5:37:46 PM	3200	164	9	52	148	167-143-192.ipt.aol.com/152.167.143.192	2531
980430	5:42:41 PM	5150	375	12	80	354	slip129-37-206-39.in.us.ibm.net/129.37.206.39	2532
980430	5:44:24 PM	7850	378	17	157	360	167-143-192.ipt.aol.com/152.167.143.192	2533
980430	5:48:24 PM	2150	128	8	81	392	cybers20d75.cg.wave.shaw.ca/24.64.20.75	2534
980430	6:01:25 PM	1750	151	5	46	211	tc1-135.constant.com/208.6.184.135	2535
980430	6:02:48 PM	5500	481	11	104	523	slip129-37-206-39.in.us.ibm.net/129.37.206.39	2536
980430	6:03:54 PM	8850	412	20	165	604	206.187.101.120/206.187.101.120	2537
980430	6:05:49 PM	9350	534	22	213	869	sus-tx23-21.ix.netcom.com/207.221.68.245	2538
980430	6:07:03 PM	1250	62	3	21	46	131.187.143.2/131.187.143.2	2539
980430	6:07:42 PM	4600	159	9	80	243	ppp108.brandywine.net/207.106.54.40	2540
980430	6:08:20 PM	1200	156	4	59	141	slip129-37-112-136.pa.us.ibm.net/129.37.112.136	2541
980430	6:11:20 PM	2400	208	4	30	96	lax-ca38-54.ix.netcom.com/205.184.226.118	2542
980430	6:11:58 PM	5400	534	13	75	421	slip129-37-206-39.in.us.ibm.net/129.37.206.39	2543
980430	6:12:03 PM	3250	243	5	61	266	ppp108.brandywine.net/207.106.54.40	2544
980430	6:12:12 PM	6150	248	13	102	524	131.187.143.2/131.187.143.2	2545
980430	6:14:19 PM	4850	160	11	66	136	lax-ca38-54.ix.netcom.com/205.184.226.118	2546
980430	6:16:52 PM	8200	270	13	186	377	ppp108.brandywine.net/207.106.54.40	2547
980430	6:19:37 PM	5200	239	12	87	219	deerfieldnet71.voyager.net/198.109.118.71	2548
980430	6:22:03 PM	7950	288	15	178	321	ppp108.brandywine.net/207.106.54.40	2549
980430	6:27:41 PM	3550	138	7	44	170	DHCP22.CS.CORNELL.EDU/128.84.248.153	2550
980430	6:28:48 PM	3850	116	7	52	159	ppp108.brandywine.net/207.106.54.40	2551
980430	6:29:46 PM	2950	103	6	35	160	DHCP22.CS.CORNELL.EDU/128.84.248.153	2552
980430	6:30:29 PM	3000	79	5	42	109	ppp108.brandywine.net/207.106.54.40	2553
980430	6:33:32 PM	4800	168	8	66	204	ppp108.brandywine.net/207.106.54.40	2554
980430	6:33:37 PM	3100	84	8	143	196	DHCP22.CS.CORNELL.EDU/128.84.248.153	2555
980430	6:35:41 PM	5000	113	8	79	187	ppp108.brandywine.net/207.106.54.40	2556
980430	6:39:54 PM	7650	345	15	151	386	69.new-orleans-01.la.dial-access.att.net/12.65.208.69	2557
980430	6:41:56 PM	11200	254	23	342	584	DHCP22.CS.CORNELL.EDU/128.84.248.153	2558
980430	6:43:48 PM	8150	83	12	231	310	DHCP22.CS.CORNELL.EDU/128.84.248.153	2559
980430	6:48:58 PM	3850	186	7	48	142	ppp-207-214-212-42.amtc01.pacbell.net/207.214.212.42	2560
980430	6:49:18 PM	2450	121	9	102	302	2071599883.bellatlantic.net/207.159.98.83	2561
980430	6:52:14 PM	2650	248	5	29	212	206.187.133.133/206.187.133.133	2562
980430	6:53:59 PM	1900	88	7	74	127	206.187.133.133/206.187.133.133	2563
980430	6:55:06 PM	10150	307	25	269	606	2071599883.bellatlantic.net/207.159.98.83	2564
980430	6:57:42 PM	4150	206	7	80	307	206.187.133.133/206.187.133.133	2565
980430	6:59:58 PM	3600	120	7	44	126	206.187.133.133/206.187.133.133	2566
980430	7:10:11 PM	2700	180	4	39	121	ubppp-248-015.ppp-net.buffalo.edu/128.205.248.15	2567
980430	7:12:42 PM	3550	134	7	44	147	ubppp-248-015.ppp-net.buffalo.edu/128.205.248.15	2568
980430	7:13:02 PM	1750	104	5	80	146	200-33-93.ipt.aol.com/152.200.33.93	2569
980430	7:14:42 PM	3050	105	5	35	133	ubppp-248-015.ppp-net.buffalo.edu/128.205.248.15	2570
980430	7:26:15 PM	4150	221	11	97	504	cras10p47.navix.net/205.242.144.176	2571
980430	7:29:52 PM	3650	204	7	43	609	cras10p47.navix.net/205.242.144.176	2572
980430	7:37:08 PM	1300	195	2	16	34	192.138.182.94/192.138.182.94	2573
980430	7:42:01 PM	3150	126	7	39	130	usr-twin-55.rmci.net/208.14.168.55	2574
980430	7:43:25 PM	2950	143	5	42	209	24.138.26.141/24.138.26.141	2575
980430	7:47:00 PM	3800	81	7	64	117	pdx02-pm2-02.teleport.com/204.202.160.34	2576
980430	7:48:50 PM	3450	187	7	46	239	d363m6.hsonline.net/208.10.214.134	2577
980430	7:49:53 PM	6350	226	14	114	332	206.78.76.205/206.78.76.205	2578
980430	7:51:09 PM	1650	59	6	67	138	206.78.76.205/206.78.76.205	2579
980430	7:52:58 PM	5350	233	12	91	290	d363m6.hsonline.net/208.10.214.134	2580
980430	7:57:09 PM	10850	344	22	284	1220	206.78.76.205/206.78.76.205	2581
980430	7:57:33 PM	10750	331	22	276	656	pdx02-pm2-02.teleport.com/204.202.160.34	2582
980430	8:14:06 PM	4500	142	9	56	191	usr40-dialup11.mix2.Atlanta.mci.net/166.55.60.203	2583
980430	8:17:53 PM	50	71	0	1	14	209.24.202.130/209.24.202.130	2584
980430	8:18:03 PM	0	4	0	0	1	209.24.202.130/209.24.202.130	2585
980430	8:19:10 PM	1000	49	4	58	80	209.24.202.130/209.24.202.130	2586
980430	8:19:51 PM	10550	437	25	287	854	204.183.206.97/204.183.206.97	2587
980430	8:24:47 PM	300	131	1	6	25	pm6-209.tstonramp.com/206.55.137.209	2588
980430	8:24:54 PM	0	3	0	0	0	pm6-209.tstonramp.com/206.55.137.209	2589
980430	8:26:00 PM	10250	419	34	238	1843	pm15-12.magicnet.net/206.104.204.205	2590
980430	8:26:57 PM	1350	100	2	15	32	pm6-209.tstonramp.com/206.55.137.209	2591
980430	8:30:35 PM	3800	172	7	50	199	du5-ts2.lascruces.com/205.166.1.141	2592
980430	8:31:05 PM	100	41	0	2	2	cybers98d198.ss.wave.shaw.ca/24.64.98.198	2593
980430	8:31:14 PM	4400	243	9	77	263	pm6-209.tstonramp.com/206.55.137.209	2594
980430	8:32:27 PM	400	162	0	8	14	client-120-34.bellatlantic.net/151.198.120.34	2595
980430	8:36:06 PM	2650	248	7	47	195	cybers98d198.ss.wave.shaw.ca/24.64.98.198	2596
980430	8:54:07 PM	7800	276	16	237	526	surf182.naplesfl.net/24.129.24.182	2597
980430	9:09:33 PM	3750	161	8	85	173	pmlmdm18.egl.net/208.159.114.51	2598
980430	9:13:08 PM	8500	191	16	192	292	pmlmdm18.egl.net/208.159.114.51	2599
980430	9:23:12 PM	0	53	0	0	0	236.chicago-34.il.dial-access.att.net/12.67.129.236	2600
980430	9:24:35 PM	3400	106	8	54	237	cybers45d241.mt.wave.shaw.ca/24.64.45.241	2601
980430	9:25:10 PM	3800	100	6	41	121	236.chicago-34.il.dial-access.att.net/12.67.129.236	2602
980430	9:25:58 PM	1800	67	7	91	289	cybers45d241.mt.wave.shaw.ca/24.64.45.241	2603
980430	9:27:52 PM	4600	146	11	89	277	236.chicago-34.il.dial-access.att.net/12.67.129.236	2604
980430	9:29:47 PM	4500	101	9	73	308	236.chicago-34.il.dial-access.att.net/12.67.129.236	2605
980430	9:32:12 PM	3750	220	8	45	306	hdn94-145.hil.compuserve.com/209.154.56.145	2606
980430	9:33:11 PM	9100	189	19	171	512	236.chicago-34.il.dial-access.att.net/12.67.129.236	2607
980430	9:40:16 PM	5000	127	13	105	216	usrtc-t1-27.olypen.com/208.229.228.32	2608
980430	9:41:38 PM	11550	547	38	252	1225	hdn94-145.hil.compuserve.com/209.154.56.145	2609
980430	9:57:55 PM	450	162	1	9	45	dialup18.altonet.com/206.66.163.118	2610
980430	9:59:14 PM	1700	71	6	95	224	dialup18.altonet.com/206.66.163.118	2611
980430	10:00:29 PM	2650	59	6	64	172	dialup18.altonet.com/206.66.163.118	2612
980430	10:20:10 PM	23150	179	36	346	1535	kirby.media.mit.edu/18.85.21.34	2613
980430	10:21:08 PM	1150	114	1	58	88	208.14.240.106/208.14.240.106	2614
980430	10:28:08 PM	4300	181	9	108	419	TEMPLE.MIT.EDU/18.237.0.33	2615
980430	10:43:39 PM	0	1	0	0	0	ppp-207-215-86-116.scrm01.pacbell.net/207.215.86.116	2616
980430	10:50:14 PM	8450	383	25	179	885	ppp-207-215-86-116.scrm01.pacbell.net/207.215.86.116	2617
980430	10:55:15 PM	5100	284	9	89	655	ppp-207-215-86-116.scrm01.pacbell.net/207.215.86.116	2618
980430	10:55:30 PM	0	4	0	0	0	ppp-207-215-86-116.scrm01.pacbell.net/207.215.86.116	2619
980430	11:03:41 PM	9350	474	22	162	1012	ppp-207-215-86-116.scrm01.pacbell.net/207.215.86.116	2620
980430	11:16:40 PM	0	98	0	15	98	remus.rutgers.edu/128.6.13.3	2621
980430	11:31:15 PM	0	40	0	0	1	spc-isp-van-uas-34-17.sprint.ca/209.148.184.18	2622
980430	11:41:17 PM	2300	116	9	109	307	1Oust90.tnt1.elkhart.in.da.uu.net/208.254.26.90	2623
980430	11:45:48 PM	250	88	0	7	39	209.75.203.40/209.75.203.40	2624
980430	11:56:33 PM	9100	228	19	234	544	pn1-ppp-90.kc-primary.net/209.176.130.90	2625
980430	11:59:21 PM	4900	139	9	194	340	pn1-ppp-90.kc-primary.net/209.176.130.90	2626
980501	12:57:41 AM	4300	107	9	110	195	white11.uwyo.edu/129.72.235.111	2627
980501	1:16:47 AM	5700	170	12	115	246	B99.cocc.edu/206.163.25.99	2628
980501	2:29:23 AM	1200	23	2	12	37	hockinghills.org/206.222.12.58	2629
980501	2:51:46 AM	5100	383	16	121	1176	punch.cs.columbia.edu/128.59.19.11	2630
980501	5:14:42 AM	5150	131	10	101	258	sjoback.medkem.gu.se/130.241.76.95	2631
980501	7:39:34 AM	4550	222	18	125	1198	cc660582-a.vronl.nj.home.com/24.3.148.18	2632
980501	7:44:42 AM	2950	270	6	38	126	magenta.afip.org/192.239.86.126	2633
980501	7:55:11 AM	44750	917	179	932	7070	cc660582-a.vronl.nj.home.com/24.3.148.18	2634

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980501	8:23:10 AM	3550	155	7	41	100	dialup240.brussels2.skynet.be/195.238.23.240	2635
980501	8:43:56 AM	6450	276	21	173	2010	cheong.ics.kth.se/130.237.44.139	2636
980501	8:49:07 AM	8150	293	27	190	3593	cheong.ics.kth.se/130.237.44.139	2637
980501	10:06:03 AM	6900	237	12	181	536	ppp102.brandywine.net/207.106.54.34	2638
980501	10:13:49 AM	250	103	0	6	14	beelzebub-53.tcg-max.enteract.com/207.229.150.53	2639
980501	10:15:34 AM	8400	259	13	182	480	ppp102.brandywine.net/207.106.54.34	2640
980501	10:20:54 AM	3050	134	5	32	97	207.125.29.174/207.125.29.174	2641
980501	10:23:45 AM	4350	157	9	168	242	207.125.29.174/207.125.29.174	2642
980501	10:25:02 AM	13900	525	22	362	1681	ppp102.brandywine.net/207.106.54.34	2643
980501	10:34:19 AM	10200	499	17	279	1238	ppp102.brandywine.net/207.106.54.34	2644
980501	10:37:42 AM	2200	162	6	86	200	ws-2.ldf.k12.wi.us/208.155.7.98	2645
980501	10:38:03 AM	6100	208	14	119	501	ppp102.brandywine.net/207.106.54.34	2646
980501	10:40:48 AM	2700	168	4	30	171	ws-2.ldf.k12.wi.us/208.155.7.98	2647
980501	10:41:47 AM	4000	92	6	83	191	ppp102.brandywine.net/207.106.54.34	2648
980501	10:43:25 AM	3650	142	7	71	195	ws-2.ldf.k12.wi.us/208.155.7.98	2649
980501	10:45:37 AM	2900	114	5	34	161	ws-2.ldf.k12.wi.us/208.155.7.98	2650
980501	10:48:34 AM	4750	156	11	91	301	ws-2.ldf.k12.wi.us/208.155.7.98	2651
980501	11:05:01 AM	9150	101	18	314	1067	castle.bank.lv/159.148.33.253	2652
980501	11:10:59 AM	3550	68	7	41	282	castle.bank.lv/159.148.33.253	2653
980501	11:13:22 AM	5200	129	11	97	789	castle.bank.lv/159.148.33.253	2654
980501	11:17:17 AM	11400	218	26	353	1372	castle.bank.lv/159.148.33.253	2655
980501	11:19:47 AM	2400	110	4	29	57	206.30.7.191/206.30.7.191	2656
980501	11:27:10 AM	3650	104	7	46	181	194.133.55.71/194.133.55.71	2657
980501	11:29:27 AM	3650	175	14	119	435	206.30.7.149/206.30.7.149	2658
980501	11:30:54 AM	1850	71	6	34	126	206.30.7.149/206.30.7.149	2659
980501	12:09:05 PM	6150	278	15	168	477	dynamic22.pm03.pleasanton.best.com/204.156.131.150	2660
980501	1:17:32 PM	4250	216	8	63	150	207.125.29.180/207.125.29.180	2661
980501	1:26:48 PM	4100	130	8	55	181	ppp105.brandywine.net/207.106.54.37	2662
980501	1:35:41 PM	1600	251	2	20	70	208.137.84.94/208.137.84.94	2663
980501	1:36:07 PM	7700	180	13	139	277	ppp105.brandywine.net/207.106.54.37	2664
980501	1:38:53 PM	5400	137	9	77	344	ppp105.brandywine.net/207.106.54.37	2665
980501	1:41:53 PM	4600	133	10	67	233	slip166-72-116-215.tx.us.ibm.net/166.72.116.215	2666
980501	1:43:54 PM	8550	252	14	196	497	ppp105.brandywine.net/207.106.54.37	2667
980501	1:49:37 PM	3300	215	6	97	845	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2668
980501	1:50:01 PM	9150	653	27	154	1177	slip129-37-206-151.in.us.ibm.net/129.37.206.151	2669
980501	1:51:01 PM	9250	386	15	391	1015	ppp105.brandywine.net/207.106.54.37	2670
980501	1:51:54 PM	4650	119	10	89	487	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2671
980501	1:53:07 PM	3000	109	5	30	187	ppp105.brandywine.net/207.106.54.37	2672
980501	1:53:39 PM	3500	82	7	43	325	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2673
980501	1:54:43 PM	5350	238	11	94	348	DallasTXDP42-16.SplitRock.net/209.156.42.16	2674
980501	1:55:31 PM	3800	93	6	67	367	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2675
980501	1:56:45 PM	2750	105	11	111	259	DallasTXDP42-16.SplitRock.net/209.156.42.16	2676
980501	1:57:19 PM	4100	205	11	82	280	ascend33.netrover.com/205.209.21.34	2677
980501	1:57:20 PM	1900	243	6	51	115	st227.d50.tazewell.k12.il.us/207.63.38.227	2678
980501	1:58:24 PM	5850	154	16	87	734	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2679
980501	1:58:58 PM	4000	118	9	68	272	DallasTXDP42-16.SplitRock.net/209.156.42.16	2680
980501	2:01:08 PM	4150	142	11	117	631	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2681
980501	2:04:04 PM	1400	97	2	19	73	152.34.24.28/152.34.24.28	2682
980501	2:04:05 PM	5000	161	14	144	928	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2683
980501	2:04:38 PM	9550	423	31	205	1296	ascend33.netrover.com/205.209.21.34	2684
980501	2:06:10 PM	4250	111	11	114	482	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2685
980501	2:08:15 PM	3300	105	9	82	444	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2686
980501	2:10:42 PM	4150	124	9	121	574	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2687
980501	2:12:31 PM	3000	94	6	77	374	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2688
980501	2:16:10 PM	3650	204	9	100	915	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2689
980501	2:18:32 PM	3100	127	8	66	530	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2690
980501	2:19:51 PM	2450	64	4	25	186	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2691
980501	2:27:14 PM	4850	427	11	111	645	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2692
980501	2:29:19 PM	4800	86	10	116	331	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2693
980501	2:31:44 PM	7250	129	15	146	417	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2694
980501	2:32:56 PM	2700	53	5	36	167	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2695
980501	2:34:20 PM	2900	69	6	121	213	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2696
980501	2:35:32 PM	1300	48	3	88	181	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2697
980501	2:36:57 PM	3700	61	6	68	162	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2698
980501	2:37:45 PM	750	32	3	47	82	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2699
980501	2:40:20 PM	6600	140	11	119	457	ws-207-215-129-153.brawleyonline.com/207.215.129.153	2700
980501	2:50:01 PM	0	115	0	1	1	168.28.82.147/168.28.82.147	2701
980501	3:21:39 PM	1100	95	3	50	92	209.2.245.88/209.2.245.88	2702
980501	3:23:08 PM	250	63	1	34	41	209.2.245.88/209.2.245.88	2703
980501	3:24:39 PM	1750	60	4	64	123	209.2.245.88/209.2.245.88	2704
980501	3:27:18 PM	4050	129	9	106	251	209.2.245.88/209.2.245.88	2705
980501	3:32:54 PM	9450	320	21	228	518	209.2.245.88/209.2.245.88	2706
980501	3:34:40 PM	3800	180	9	80	257	oisenepc1.uio.no/129.240.209.242	2707
980501	3:36:43 PM	5900	205	16	141	356	209.2.245.88/209.2.245.88	2708
980501	3:38:45 PM	8800	229	24	160	399	oisenepc1.uio.no/129.240.209.242	2709
980501	3:40:24 PM	3350	122	6	37	296	federal-pm3-04-165.mabell.net/207.252.105.165	2710
980501	3:43:09 PM	50	50	0	36	36	168.99.169.63/168.99.169.63	2711
980501	3:44:14 PM	2050	222	8	84	499	168.28.82.149/168.28.82.149	2712
980501	3:45:31 PM	950	60	2	13	87	168.28.82.149/168.28.82.149	2713
980501	3:47:01 PM	9850	393	23	195	629	tor-pm-3-93.netrover.com/205.209.27.93	2714
980501	3:52:09 PM	11450	244	23	278	485	btattsl2c90.nbnet.nb.ca/207.179.185.96	2715
980501	3:53:52 PM	2800	283	5	32	193	ppp-207-193-28-7.snantx.swbell.net/207.193.28.7	2716
980501	3:56:06 PM	12550	529	28	385	1056	tor-pm-3-93.netrover.com/205.209.27.93	2717
980501	3:59:43 PM	11900	325	22	374	1002	btattsl2c90.nbnet.nb.ca/207.179.185.96	2718
980501	4:01:55 PM	5900	332	18	118	576	tor-pm-3-93.netrover.com/205.209.27.93	2719
980501	4:14:47 PM	2400	279	4	42	148	pm3-ip134.kent.net/207.81.19.134	2720
980501	4:17:29 PM	3350	143	7	51	126	pm3-ip134.kent.net/207.81.19.134	2721
980501	4:21:33 PM	3200	22	5	63	165	ge.media.mit.edu/18.85.11.175	2722
980501	4:21:45 PM	2850	242	6	44	230	pm3-ip134.kent.net/207.81.19.134	2723
980501	4:22:09 PM	4350	21	7	82	306	ge.media.mit.edu/18.85.11.175	2724
980501	4:23:16 PM	8850	283	21	209	1186	166-133-92.ipt.aol.com/152.166.133.92	2725
980501	4:23:23 PM	7700	58	16	309	629	ge.media.mit.edu/18.85.11.175	2726
980501	4:27:48 PM	5700	346	13	97	313	pm3-ip134.kent.net/207.81.19.134	2727
980501	4:29:31 PM	7500	358	24	186	1288	166-133-92.ipt.aol.com/152.166.133.92	2728
980501	4:30:29 PM	3700	145	7	44	181	pm3-ip134.kent.net/207.81.19.134	2729
980501	4:36:06 PM	7900	320	16	149	284	pm3-ip134.kent.net/207.81.19.134	2730
980501	4:39:21 PM	4000	177	9	58	178	pm3-ip134.kent.net/207.81.19.134	2731
980501	4:48:09 PM	5400	200	11	77	306	max11-21.stc.net/208.210.134.149	2732
980501	5:04:14 PM	4800	336	9	59	153	sdn-ts-002flhhilP06.dialsprint.net/206.133.79.41	2733
980501	5:07:11 PM	3450	94	8	101	227	megalon-34.openface.ca/209.89.24.44	2734
980501	5:09:42 PM	6500	147	16	117	356	193.212.10.61/193.212.10.61	2735
980501	5:16:35 PM	3650	366	13	118	527	158.103.102.13/158.103.102.13	2736
980501	5:23:24 PM	3650	219	9	74	159	k56-ip-240.theramp.net/205.212.95.240	2737
980501	5:24:53 PM	8500	252	23	298	666	207.163.53.23/207.163.53.23	2738

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980501	5:25:20 PM	400	123	0	60	130	usr50-dialup20.mix2.Boston.mci.net/166.55.79.84	2739
980501	5:27:33 PM	150	116	0	3	82	usr50-dialup20.mix2.Boston.mci.net/166.55.79.84	2740
980501	5:30:48 PM	4500	177	17	148	480	usr50-dialup20.mix2.Boston.mci.net/166.55.79.84	2741
980501	5:33:35 PM	4650	115	10	87	206	slip166-72-161-154.tx.us.ibm.net/166.72.161.154	2742
980501	5:34:12 PM	3450	188	12	131	410	usr50-dialup20.mix2.Boston.mci.net/166.55.79.84	2743
980501	5:37:24 PM	9550	205	21	204	421	slip166-72-161-154.tx.us.ibm.net/166.72.161.154	2744
980501	5:40:19 PM	5000	157	8	190	276	slip166-72-161-154.tx.us.ibm.net/166.72.161.154	2745
980501	6:17:05 PM	4000	99	9	101	356	ws-207-215-129-118.brawleyonline.com/207.215.129.118	2746
980501	6:18:48 PM	3250	114	6	36	100	1Oust109.tnt8.lax3.da.uu.net/153.37.75.109	2747
980501	6:20:25 PM	3150	136	7	42	136	206.144.90.176/206.144.90.176	2748
980501	6:21:13 PM	8100	232	17	199	1116	ws-207-215-129-118.brawleyonline.com/207.215.129.118	2749
980501	6:23:35 PM	4100	127	8	91	685	ws-207-215-129-118.brawleyonline.com/207.215.129.118	2750
980501	6:24:49 PM	3000	59	5	30	218	ws-207-215-129-118.brawleyonline.com/207.215.129.118	2751
980501	6:35:23 PM	0	361	0	4	41	ppp046.au.centuryinter.net/209.142.147.60	2752
980501	6:35:39 PM	6150	274	12	105	331	ppp105.brandywine.net/207.106.54.37	2753
980501	6:38:04 PM	4000	248	9	51	238	ptmm00-sh8-port206.snet.net/204.60.42.206	2754
980501	6:51:10 PM	5900	173	15	99	300	194.125.61.188/194.125.61.188	2755
980501	6:54:41 PM	2750	132	11	81	213	1Oust141.tnt21.atl2.da.uu.net/153.36.124.141	2756
980501	6:59:47 PM	4000	241	9	139	269	pm5-39.tstonramp.com/206.55.137.39	2757
980501	6:59:59 PM	4150	302	9	73	704	1Oust141.tnt21.atl2.da.uu.net/153.36.124.141	2758
980501	7:14:12 PM	19400	640	43	581	1836	ppp-207-215-85-38.scrm01.pacbell.net/207.215.85.38	2759
980501	7:16:13 PM	3500	271	9	103	422	rc-pm1-05.enetis.net/208.141.217.38	2760
980501	7:22:24 PM	24650	357	46	551	1948	media37.creativity.se/193.12.238.67	2761
980501	7:22:25 PM	9850	477	21	277	1189	ppp-207-215-85-38.scrm01.pacbell.net/207.215.85.38	2762
980501	7:24:46 PM	3900	124	6	89	300	ppp-207-215-85-38.scrm01.pacbell.net/207.215.85.38	2763
980501	7:29:01 PM	5850	229	12	142	651	ppp-207-215-85-38.scrm01.pacbell.net/207.215.85.38	2764
980501	7:51:15 PM	6150	352	12	97	371	1Oust206.tnt2.krk1.da.uu.net/153.37.252.206	2765
980501	8:04:45 PM	6150	178	13	139	311	198.236.73.165/198.236.73.165	2766
980501	8:14:51 PM	2950	194	6	45	146	141.133.118.182/141.133.118.182	2767
980501	8:51:13 PM	0	1	0	0	0	eagan-rip08.cray.com/204.73.50.8	2768
980501	8:52:56 PM	1100	88	4	62	121	eagan-rip08.cray.com/204.73.50.8	2769
980501	8:54:54 PM	1250	91	5	45	244	eagan-rip08.cray.com/204.73.50.8	2770
980501	8:55:38 PM	550	28	2	38	58	eagan-rip08.cray.com/204.73.50.8	2771
980501	8:56:56 PM	1250	60	4	56	124	eagan-rip08.cray.com/204.73.50.8	2772
980501	8:58:15 PM	3250	111	6	86	470	ws-207-215-129-138.brawleyonline.com/207.215.129.138	2773
980501	9:05:22 PM	1800	55	3	18	156	ws-207-215-129-126.brawleyonline.com/207.215.129.126	2774
980501	9:09:35 PM	8700	237	19	233	1188	ws-207-215-129-126.brawleyonline.com/207.215.129.126	2775
980501	9:11:08 PM	3000	78	5	40	321	ws-207-215-129-126.brawleyonline.com/207.215.129.126	2776
980501	9:11:34 PM	5350	230	11	85	235	17.san-francisco-15.ca.dial-access.att.net/12.64.162.17	2777
980501	9:13:34 PM	3500	91	8	98	522	ws-207-215-129-126.brawleyonline.com/207.215.129.126	2778
980501	9:43:47 PM	10950	599	36	243	2045	spc-isp-van-uas-36-13.sprint.ca/209.148.184.214	2779
980501	9:47:27 PM	3500	145	13	108	236	np99modem173.tusco.net/207.206.99.173	2780
980501	9:48:31 PM	1300	49	5	45	133	np99modem173.tusco.net/207.206.99.173	2781
980501	9:49:34 PM	800	49	3	16	49	np99modem173.tusco.net/207.206.99.173	2782
980501	9:52:02 PM	3850	133	9	70	229	np99modem173.tusco.net/207.206.99.173	2783
980501	9:54:31 PM	6050	131	18	162	366	np99modem173.tusco.net/207.206.99.173	2784
980501	10:00:36 PM	5450	386	11	93	376	121.lexington-01.ky.dial-access.att.net/12.66.70.121	2785
980501	10:02:17 PM	9350	292	22	185	369	np99modem173.tusco.net/207.206.99.173	2786
980501	10:06:51 PM	8550	232	20	157	399	np99modem173.tusco.net/207.206.99.173	2787
980501	10:44:04 PM	2400	72	9	78	357	ts48ip195.cadvision.com/207.228.72.195	2788
980501	10:47:49 PM	10050	205	28	244	1307	ts48ip195.cadvision.com/207.228.72.195	2789
980501	10:51:17 PM	7550	193	15	195	1042	ts48ip195.cadvision.com/207.228.72.195	2790
980501	10:51:37 PM	10500	243	20	341	1417	tech12.javanet.com/209.94.128.61	2791
980501	11:02:11 PM	6700	408	21	131	347	port061.vta.fishnet.net/205.216.133.210	2792
980501	11:13:33 PM	10800	504	25	259	1338	tech11.javanet.com/209.94.128.60	2793
980501	11:22:41 PM	600	48	1	6	15	c1005378-a.plstn1.sfba.home.com/24.1.96.9	2794
980501	11:25:21 PM	4350	143	8	51	127	c1005378-a.plstn1.sfba.home.com/24.1.96.9	2795
980501	11:26:53 PM	9650	1329	26	172	1270	port061.vta.fishnet.net/205.216.133.210	2796
980501	11:29:45 PM	500	877	2	47	86	tech11.javanet.com/209.94.128.60	2797
980501	11:35:57 PM	3300	443	6	45	801	202-38-218.ipt.aol.com/152.202.38.218	2798
980501	11:41:13 PM	50	34	0	1	1	tty146.softdisk.com/208.143.104.82	2799
980501	11:48:37 PM	3350	249	7	47	239	1Oust234.tnt8.lax3.da.uu.net/153.37.75.234	2800
980501	11:51:12 PM	3100	137	12	110	222	1Oust234.tnt8.lax3.da.uu.net/153.37.75.234	2801
980501	11:53:19 PM	23100	1011	86	474	3414	202-38-218.ipt.aol.com/152.202.38.218	2802
980501	11:59:22 PM	1650	161	5	33	68	p29-m2-hn5.dialup.xtra.co.nz/203.96.103.93	2803
980502	12:05:45 AM	0	47	0	34	83	ts7-27.frd.cyberhighway.net/209.161.34.191	2804
980502	12:05:52 AM	1450	184	5	58	288	cybers15d139.ed.wave.shaw.ca/24.64.15.139	2805
980502	12:07:04 AM	400	64	1	90	96	ts7-27.frd.cyberhighway.net/209.161.34.191	2806
980502	12:08:56 AM	3050	325	5	39	201	p29-m2-hn5.dialup.xtra.co.nz/203.96.103.93	2807
980502	12:09:45 AM	4750	118	9	67	318	host-209-138-13-9.sbg.bellsouth.net/209.138.13.9	2808
980502	12:12:05 AM	3050	125	6	41	441	host-209-138-13-9.sbg.bellsouth.net/209.138.13.9	2809
980502	12:13:01 AM	1000	40	4	76	98	host-209-138-13-9.sbg.bellsouth.net/209.138.13.9	2810
980502	12:16:20 AM	4550	184	11	109	943	host-209-138-13-9.sbg.bellsouth.net/209.138.13.9	2811
980502	1:33:01 AM	2550	188	4	29	134	1Oust15.max18.santa-clara.ca.ms.uu.net/153.37.153.15	2812
980502	1:35:09 AM	4250	115	10	56	171	1Oust15.max18.santa-clara.ca.ms.uu.net/153.37.153.15	2813
980502	3:57:50 AM	4200	76	8	48	175	dal-tsa16-35.cyberramp.net/207.158.87.99	2814
980502	6:37:10 AM	1350	124	2	22	83	SY-A04-pool-140.tmns.net.au/139.134.90.140	2815
980502	7:42:44 AM	0	2	0	0	0	slip-32-100-115-98.ny.us.ibm.net/32.100.115.98	2816
980502	7:48:12 AM	13550	476	34	506	2212	166-148-97.ipt.aol.com/152.166.148.97	2817
980502	8:29:57 AM	10100	375	25	213	902	1Oust144.tnt1.det2.da.uu.net/153.34.37.144	2818
980502	8:35:27 AM	2500	314	5	49	726	1Oust144.tnt1.det2.da.uu.net/153.34.37.144	2819
980502	8:55:58 AM	0	71	0	11	27	173-118-29.ipt.aol.com/152.173.118.29	2820
980502	8:58:19 AM	1250	123	5	60	290	173-118-29.ipt.aol.com/152.173.118.29	2821
980502	9:01:06 AM	0	150	0	9	398	173-118-29.ipt.aol.com/152.173.118.29	2822
980502	9:13:50 AM	1000	102	1	22	87	nbtel3-243.nbtel.net/207.179.142.243	2823
980502	9:38:08 AM	3050	70	8	43	147	tnt1-42.focal-chi.megsinet.net/209.81.175.42	2824
980502	9:40:35 AM	6850	130	12	127	255	tnt1-42.focal-chi.megsinet.net/209.81.175.42	2825
980502	9:41:53 AM	7000	637	16	160	487	und-as4p3.und.NoDak.edu/134.129.135.152	2826
980502	9:43:53 AM	9200	181	18	225	446	tnt1-42.focal-chi.megsinet.net/209.81.175.42	2827
980502	10:04:59 AM	3650	181	8	52	256	ftw-tsa5-48.cyberramp.net/207.158.119.48	2828
980502	10:14:25 AM	1950	138	3	21	262	tek.engin.umd.umich.edu/141.215.9.49	2829
980502	10:26:45 AM	7600	249	17	181	1262	cmpc11.ph.bham.ac.uk/147.188.40.108	2830
980502	10:27:29 AM	1700	32	6	102	174	cmpc11.ph.bham.ac.uk/147.188.40.108	2831
980502	10:27:52 AM	3950	73	8	49	194	btsttslc06.nbnet.nb.ca/198.164.242.108	2832
980502	10:28:38 AM	10500	1016	26	263	928	und-as4p3.und.NoDak.edu/134.129.135.152	2833
980502	10:37:52 AM	33600	608	64	869	3362	cmpc11.ph.bham.ac.uk/147.188.40.108	2834
980502	10:57:09 AM	1600	214	5	89	582	ts003d04.ind-in.concentric.net/206.173.97.64	2835
980502	11:08:49 AM	3000	95	5	30	73	pmx6.beyareacom.net/206.162.114.25	2836
980502	11:42:52 AM	3250	152	13	133	328	manitou3-9.usask.ca/192.139.76.73	2837
980502	11:49:05 AM	6850	357	21	167	880	manitou3-9.usask.ca/192.139.76.73	2838
980502	11:50:23 AM	7800	528	29	211	1323	41.denver-16-17rs.co.dial-access.att.net/12.74.78.41	2839
980502	11:52:53 AM	7750	190	15	126	311	manitou3-9.usask.ca/192.139.76.73	2840
980502	11:55:01 AM	4450	114	8	81	215	manitou3-9.usask.ca/192.139.76.73	2841
980502	11:56:56 AM	3900	373	8	55	872	41.denver-16-17rs.co.dial-access.att.net/12.74.78.41	2842

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980502	12:02:33 PM	0	46	0	0	0	djaafar.ne.mediaone.net/24.128.59.12	2843
980502	12:24:13 PM	0	100	0	0	0	nbppp20.cac.psu.edu/128.118.140.20	2844
980502	12:25:05 PM	0	37	0	0	0	nbppp20.cac.psu.edu/128.118.140.20	2845
980502	12:26:31 PM	250	68	1	5	40	nbppp20.cac.psu.edu/128.118.140.20	2846
980502	12:26:42 PM	2500	161	4	34	133	xlate2-70.office.aol.com/204.148.99.70	2847
980502	12:28:32 PM	4950	155	10	75	283	dsr.db.dk/130.226.186.56	2848
980502	12:30:02 PM	4050	195	8	53	234	nbppp20.cac.psu.edu/128.118.140.20	2849
980502	12:32:02 PM	1900	103	3	20	71	nbppp20.cac.psu.edu/128.118.140.20	2850
980502	12:33:43 PM	2400	106	3	32	148	207-172-52-203.s203.tnt1.brd.erols.com/207.172.52.203	2851
980502	12:34:09 PM	550	82	1	24	107	199.250.252.14/199.250.252.14	2852
980502	12:35:05 PM	1900	65	3	42	99	207-172-52-203.s203.tnt1.brd.erols.com/207.172.52.203	2853
980502	12:37:57 PM	1100	267	4	60	115	adnline243198.adnc.com/206.251.243.198	2854
980502	12:38:33 PM	7650	376	16	214	1022	nbppp20.cac.psu.edu/128.118.140.20	2855
980502	12:41:34 PM	3550	198	6	47	136	adnline243198.adnc.com/206.251.243.198	2856
980502	12:41:56 PM	4400	186	9	70	777	nbppp20.cac.psu.edu/128.118.140.20	2857
980502	12:46:05 PM	4750	234	12	116	1439	nbppp20.cac.psu.edu/128.118.140.20	2858
980502	12:49:07 PM	3600	149	10	122	520	nbppp20.cac.psu.edu/128.118.140.20	2859
980502	12:50:39 PM	800	349	1	15	365	246.kansas-city-06.mo.dial-access.att.net/12.66.101.246	2860
980502	12:51:58 PM	4600	154	10	56	925	nbppp20.cac.psu.edu/128.118.140.20	2861
980502	1:26:57 PM	2450	216	7	80	156	crinoth-3.mdm.rmd.execpc.com/169.207.45.19	2862
980502	1:30:30 PM	0	37	0	6	9	205.130.199.130/205.130.199.130	2863
980502	1:35:19 PM	9000	468	22	170	472	crinoth-3.mdm.rmd.execpc.com/169.207.45.19	2864
980502	1:43:55 PM	3900	487	7	161	328	crinoth-3.mdm.rmd.execpc.com/169.207.45.19	2865
980502	2:04:29 PM	800	126	3	33	54	host-207-53-6-169.atl.bellsouth.net/207.53.6.169	2866
980502	2:06:57 PM	3550	153	7	50	155	98.birmingham-01.al.dial-access.att.net/12.67.64.98	2867
980502	2:08:56 PM	4050	342	15	134	531	s15.netfox.net/208.222.213.15	2868
980502	2:11:11 PM	2250	128	6	60	165	s15.netfox.net/208.222.213.15	2869
980502	2:40:36 PM	600	52	0	15	20	ctv8070.ctv.es/195.57.143.70	2870
980502	2:41:40 PM	0	48	0	4	62	ctv8070.ctv.es/195.57.143.70	2871
980502	2:42:23 PM	5200	289	12	70	373	ppp131.121.mtl.videotron.net/207.253.121.131	2872
980502	2:50:51 PM	8200	293	20	173	457	217.new-orleans-01.la.dial-access.att.net/12.65.208.217	2873
980502	2:57:38 PM	3650	258	8	64	156	k56aip09.wmis.net/209.44.12.109	2874
980502	3:04:20 PM	0	118	0	0	0	207-172-66-152.s25.as7.nrf.erols.com/207.172.66.152	2875
980502	3:09:13 PM	3100	160	12	127	408	169.cleveland-01.oh.dial-access.att.net/12.67.192.169	2876
980502	3:13:53 PM	4550	265	9	97	621	169.cleveland-01.oh.dial-access.att.net/12.67.192.169	2877
980502	3:18:50 PM	2300	162	4	31	123	tor-pm-3-90.netrover.com/205.209.27.90	2878
980502	3:22:59 PM	3650	130	7	44	120	hb-1.dialup.northernet.com/205.139.165.71	2879
980502	3:23:09 PM	4950	242	12	76	240	tor-pm-3-90.netrover.com/205.209.27.90	2880
980502	3:27:17 PM	3400	239	8	44	227	hb-1.dialup.northernet.com/205.139.165.71	2881
980502	3:30:58 PM	5750	207	16	108	615	hb-1.dialup.northernet.com/205.139.165.71	2882
980502	3:31:05 PM	9000	451	28	218	751	tor-pm-3-90.netrover.com/205.209.27.90	2883
980502	3:36:31 PM	6850	317	18	105	479	hb-1.dialup.northernet.com/205.139.165.71	2884
980502	3:40:34 PM	4600	514	10	70	293	crinoth-9.mdm.rmd.execpc.com/169.207.45.25	2885
980502	3:43:17 PM	16100	704	42	493	2613	gsv105.gator.net/207.243.60.105	2886
980502	3:59:49 PM	11400	431	32	248	809	modem157.nwidt.com/199.120.82.157	2887
980502	4:08:32 PM	4700	177	9	106	274	1Cust48.max12.cleveland.oh.ms.uu.net/153.35.130.48	2888
980502	4:12:22 PM	5800	215	12	147	316	1Cust48.max12.cleveland.oh.ms.uu.net/153.35.130.48	2889
980502	4:19:59 PM	0	54	0	1	48	198.30.208.63/198.30.208.63	2890
980502	4:36:09 PM	3000	311	7	42	212	166.los-angeles-01.ca.dial-access.att.net/12.64.32.166	2891
980502	4:43:40 PM	0	8	0	0	0	HAYDEN-7.MIT.EDU/18.51.1.37	2892
980502	4:51:58 PM	6250	214	14	202	1054	ws-207-215-129-147.brawleyonline.com/207.215.129.147	2893
980502	4:57:09 PM	13750	296	39	316	1944	ws-207-215-129-147.brawleyonline.com/207.215.129.147	2894
980502	5:06:28 PM	4850	106	11	65	135	p018.tsvr4.pnx.com/199.190.118.19	2895
980502	5:13:31 PM	5550	242	11	182	410	hb-1.dialup.northernet.com/205.139.165.71	2896
980502	5:43:55 PM	3400	151	8	45	149	tsl-04.mld.cyberhighway.net/209.161.17.71	2897
980502	5:45:12 PM	1250	37	2	14	32	tsl-04.mld.cyberhighway.net/209.161.17.71	2898
980502	5:46:31 PM	3250	64	6	35	87	tsl-04.mld.cyberhighway.net/209.161.17.71	2899
980502	5:48:22 PM	1500	93	3	106	199	tsl-04.mld.cyberhighway.net/209.161.17.71	2900
980502	6:01:39 PM	0	239	0	0	4	port89-202.uss.net/209.100.89.202	2901
980502	6:04:43 PM	8200	256	18	180	427	pm3mbr1-67-196.intrepid.net/206.102.67.196	2902
980502	6:14:23 PM	3950	197	10	108	367	ppp117.brandywine.net/207.106.54.49	2903
980502	6:31:52 PM	3150	87	7	74	265	tin35.speo.net/207.149.243.35	2904
980502	6:32:54 PM	1900	46	5	108	298	tin35.speo.net/207.149.243.35	2905
980502	6:37:15 PM	6300	154	15	108	239	daga2pp21.alltel.net/166.102.118.22	2906
980502	6:42:52 PM	4500	490	11	77	376	MC-3.IC.Owatonna.MN.US/209.114.2.100	2907
980502	6:45:07 PM	4250	167	9	88	247	56K-004.MaxINT4.pdq.net/209.144.230.4	2908
980502	6:48:38 PM	9350	201	20	194	462	hdn85-134.hil.compuserve.com/206.175.96.134	2909
980502	6:52:06 PM	3050	150	8	43	436	nbl5ppp60.cac.psu.edu/128.118.72.60	2910
980502	6:52:45 PM	0	7	0	0	0	hlfx09-34.ns.sympatico.ca/142.177.10.103	2911
980502	6:52:49 PM	0	3	0	0	0	hlfx09-34.ns.sympatico.ca/142.177.10.103	2912
980502	6:55:10 PM	0	119	0	5	37	hlfx09-34.ns.sympatico.ca/142.177.10.103	2913
980502	6:57:11 PM	350	146	1	13	80	26.bridgeton-10.mo.dial-access.att.net/12.67.17.26	2914
980502	6:58:49 PM	1250	83	2	42	80	26.bridgeton-10.mo.dial-access.att.net/12.67.17.26	2915
980502	6:59:16 PM	7050	228	28	184	619	hlfx09-34.ns.sympatico.ca/142.177.10.103	2916
980502	7:04:25 PM	5950	320	13	98	371	26.bridgeton-10.mo.dial-access.att.net/12.67.17.26	2917
980502	7:13:42 PM	4450	221	12	104	533	dip226.inav.net/205.160.208.96	2918
980502	7:16:49 PM	4800	173	10	74	490	dip226.inav.net/205.160.208.96	2919
980502	7:21:30 PM	1950	149	5	87	165	1Cust229.tnt4.krk1.da.uu.net/208.254.1.229	2920
980502	7:36:17 PM	300	87	0	6	21	dialup5-3-07.doitnow.com/207.211.43.135	2921
980502	7:39:47 PM	8300	408	17	174	392	cntrldhcp27.spl.org/209.63.97.27	2922
980502	7:41:29 PM	2350	296	4	42	247	dialup5-3-07.doitnow.com/207.211.43.135	2923
980502	7:48:17 PM	10600	494	27	258	675	cntrldhcp27.spl.org/209.63.97.27	2924
980502	7:52:44 PM	450	100	0	9	38	114.kansas-city-05.mo.dial-access.att.net/12.66.100.114	2925
980502	7:55:02 PM	2250	104	9	62	176	afcon-dyn66.afcon.net/209.26.60.66	2926
980502	7:55:27 PM	0	64	0	0	0	204.185.202.44/204.185.202.44	2927
980502	8:00:07 PM	3800	239	7	61	195	afcon-dyn66.afcon.net/209.26.60.66	2928
980502	8:03:51 PM	5100	204	12	86	300	afcon-dyn66.afcon.net/209.26.60.66	2929
980502	8:09:03 PM	0	133	0	0	0	1Cust205.tnt2.orl1.da.uu.net/208.250.78.205	2930
980502	8:11:43 PM	0	141	0	0	0	1Cust205.tnt2.orl1.da.uu.net/208.250.78.205	2931
980502	8:19:49 PM	600	63	1	6	13	storm03p33.storm.ca/207.245.246.161	2932
980502	8:29:58 PM	2450	191	5	39	381	207.33.152.171/207.33.152.171	2933
980502	8:31:52 PM	0	88	0	23	87	s42.netfox.net/208.222.213.42	2934
980502	8:32:06 PM	0	4	0	0	1	s42.netfox.net/208.222.213.42	2935
980502	8:33:47 PM	1250	81	5	59	173	s42.netfox.net/208.222.213.42	2936
980502	8:38:23 PM	3600	259	7	42	385	s42.netfox.net/208.222.213.42	2937
980502	8:44:31 PM	6450	307	18	140	709	ttyD22.redding.snowcrest.net/209.148.36.67	2938
980502	8:50:12 PM	5450	664	12	77	1516	s42.netfox.net/208.222.213.42	2939
980502	8:50:17 PM	9400	329	20	183	639	ttyD22.redding.snowcrest.net/209.148.36.67	2940
980502	8:56:46 PM	2900	133	6	64	130	ppp286.lr.centuryinter.net/209.142.153.65	2941
980502	8:59:59 PM	4550	175	10	64	397	ppp286.lr.centuryinter.net/209.142.153.65	2942
980502	9:01:35 PM	2750	77	11	103	254	ppp286.lr.centuryinter.net/209.142.153.65	2943
980502	9:09:05 PM	6150	286	12	101	193	ttyD16.redding.snowcrest.net/209.148.36.23	2944
980502	9:11:37 PM	2100	143	8	63	136	80.ojus-01.fl.dial-access.att.net/12.70.67.80	2945
980502	9:15:18 PM	3250	204	13	82	472	80.ojus-01.fl.dial-access.att.net/12.70.67.80	2946

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980502	9:19:49 PM	6400	256	20	126	512	80.ojus-01.fl.dial-access.att.net/12.70.67.80	2947
980502	9:21:28 PM	4250	186	8	55	104	gard.accs.net/205.243.37.119	2948
980502	9:28:57 PM	20600	532	82	467	2328	80.ojus-01.fl.dial-access.att.net/12.70.67.80	2949
980502	9:29:14 PM	12250	255	24	269	550	hdn95-107.hil.compuserve.com/209.154.57.107	2950
980502	9:30:23 PM	5050	140	11	87	342	man-104.au2.m.uunet.de/149.229.231.104	2951
980502	10:05:47 PM	350	86	0	17	67	203-96-99-203.ipnets.xtra.co.nz/203.96.99.203	2952
980502	10:43:32 PM	10100	397	30	234	1511	spc-isp-van-uas-36-7.sprint.ca/209.148.185.7	2953
980502	10:45:57 PM	4500	435	9	58	331	s43.nextdim.com/205.235.135.63	2954
980502	11:07:23 PM	1900	89	3	26	103	user-381d15b.dialup.mindspring.com/209.86.132.171	2955
980502	11:19:56 PM	4500	244	9	60	300	ppp-206-171-172-133.sktn01.pacbell.net/206.171.172.133	2956
980502	11:23:12 PM	4600	180	11	82	184	ppp-206-171-172-133.sktn01.pacbell.net/206.171.172.133	2957
980502	11:27:55 PM	5100	235	13	79	365	ppp-206-171-172-133.sktn01.pacbell.net/206.171.172.133	2958
980502	11:37:57 PM	0	69	0	0	1	sd11.california.Internet-Coffee.Com/207.137.12.220	2959
980502	11:39:55 PM	0	76	0	0	0	sd11.california.Internet-Coffee.Com/207.137.12.220	2960
980502	11:40:55 PM	0	44	0	0	0	sd11.california.Internet-Coffee.Com/207.137.12.220	2961
980502	11:48:59 PM	3100	105	12	100	306	206.97.184.211/206.97.184.211	2962
980502	11:51:17 PM	4100	107	8	46	248	206.97.184.211/206.97.184.211	2963
980503	12:23:25 AM	0	3	0	0	0	238.portland-03.or.dial-access.att.net/12.65.66.238	2964
980503	12:26:58 AM	250	194	0	5	20	238.portland-03.or.dial-access.att.net/12.65.66.238	2965
980503	12:32:53 AM	450	156	1	27	56	pgrad5.eee.utas.edu.au/131.217.33.45	2966
980503	12:58:22 AM	3400	165	8	95	233	1Oust135.tnt6.seal.da.uu.net/208.253.73.135	2967
980503	1:04:11 AM	8400	330	27	183	657	1Oust135.tnt6.seal.da.uu.net/208.253.73.135	2968
980503	1:06:44 AM	5300	135	10	78	240	1Oust135.tnt6.seal.da.uu.net/208.253.73.135	2969
980503	2:08:23 AM	3000	210	6	41	141	h117.s57.ts.hinet.net/168.95.57.117	2970
980503	2:08:32 AM	0	4	0	1	1	h117.s57.ts.hinet.net/168.95.57.117	2971
980503	2:14:06 AM	6700	319	16	115	411	h117.s57.ts.hinet.net/168.95.57.117	2972
980503	2:14:22 AM	0	4	0	0	4	h117.s57.ts.hinet.net/168.95.57.117	2973
980503	2:17:20 AM	3750	162	8	49	176	h117.s57.ts.hinet.net/168.95.57.117	2974
980503	2:21:01 AM	5600	202	12	82	358	h117.s57.ts.hinet.net/168.95.57.117	2975
980503	2:22:51 AM	3500	93	12	121	309	h117.s57.ts.hinet.net/168.95.57.117	2976
980503	2:23:06 AM	0	3	0	0	0	h117.s57.ts.hinet.net/168.95.57.117	2977
980503	3:05:50 AM	3700	133	6	56	127	SY-A21-pool-185.tmns.net.au/139.134.96.185	2978
980503	3:08:11 AM	4150	127	8	67	251	SY-A21-pool-185.tmns.net.au/139.134.96.185	2979
980503	3:54:17 AM	2900	142	11	93	504	h99.s21.ts30.hinet.net/163.30.21.99	2980
980503	3:57:38 AM	4100	187	9	52	436	h99.s21.ts30.hinet.net/163.30.21.99	2981
980503	3:59:54 AM	3150	119	6	39	222	h99.s21.ts30.hinet.net/163.30.21.99	2982
980503	4:03:40 AM	4400	209	10	75	512	h99.s21.ts30.hinet.net/163.30.21.99	2983
980503	4:08:04 AM	6300	248	12	122	497	h99.s21.ts30.hinet.net/163.30.21.99	2984
980503	5:02:11 AM	1750	110	3	36	177	dialup-70.Napa.CA.InterX.Net/209.0.37.70	2985
980503	5:03:38 AM	2450	71	5	36	104	dialup-70.Napa.CA.InterX.Net/209.0.37.70	2986
980503	6:41:47 AM	4350	212	9	54	125	zzkyau.dialin.uq.net.au/203.101.237.183	2987
980503	6:46:13 AM	7250	253	18	107	290	zzkyau.dialin.uq.net.au/203.101.237.183	2988
980503	7:12:08 AM	3350	91	7	76	205	rnjy2.magd.cam.ac.uk/131.111.221.245	2989
980503	7:13:04 AM	1300	37	5	84	133	rnjy2.magd.cam.ac.uk/131.111.221.245	2990
980503	7:15:58 AM	7800	152	22	165	698	rnjy2.magd.cam.ac.uk/131.111.221.245	2991
980503	7:39:01 AM	9400	262	22	206	643	196-31-162-87.iafrica.com/196.31.162.87	2992
980503	7:42:28 AM	0	424	0	7	18	hermes-ap1-digital-ip193-58.athenet.net/209.103.193.58	2993
980503	7:48:21 AM	0	1	0	0	0	wisc3-a01.ac.tds.net/208.137.78.162	2994
980503	7:49:31 AM	8100	278	26	170	421	ppp2-68.eisa.net.au/203.63.233.140	2995
980503	7:52:44 AM	6000	170	15	147	290	ppp2-68.eisa.net.au/203.63.233.140	2996
980503	7:53:10 AM	250	101	0	5	11	166-248-61.ipt.aol.com/152.166.248.61	2997
980503	7:54:15 AM	11150	337	28	223	670	dhcp-893508532.qualcomm.com/129.46.237.192	2998
980503	7:56:58 AM	3900	238	8	77	319	ppp2-68.eisa.net.au/203.63.233.140	2999
980503	7:58:33 AM	3500	301	7	47	146	166-248-61.ipt.aol.com/152.166.248.61	3000
980503	8:00:03 AM	4950	170	18	161	325	ppp2-68.eisa.net.au/203.63.233.140	3001
980503	8:02:04 AM	4800	185	15	107	227	166-248-61.ipt.aol.com/152.166.248.61	3002
980503	8:07:31 AM	6750	288	20	177	331	166-248-61.ipt.aol.com/152.166.248.61	3003
980503	8:30:32 AM	3500	102	7	55	166	mpts-03-22.imcnet.net/206.112.140.176	3004
980503	8:30:32 AM	7600	338	24	196	611	client-151-197-114-14.bellatlantic.net/151.197.114.14	3005
980503	8:31:30 AM	1050	214	4	56	198	sA1-a1.dreamscape.com/206.114.185.130	3006
980503	8:35:33 AM	3200	236	7	47	630	sA1-a1.dreamscape.com/206.114.185.130	3007
980503	8:39:53 AM	7000	237	14	137	315	port-57-35.access.one.net/209.50.121.35	3008
980503	8:45:04 AM	3750	109	6	40	131	76.newark-08.nj.dial-access.att.net/12.68.39.76	3009
980503	8:48:13 AM	4100	258	10	87	151	ppp3.voltage.net/208.15.104.75	3010
980503	8:52:32 AM	3600	93	8	48	152	ppp75.coladlp3.scsn.net/209.12.57.75	3011
980503	9:01:02 AM	3750	280	8	54	156	dd24-045.dub.compuserve.com/199.174.181.45	3012
980503	9:08:45 AM	8900	445	19	163	488	dd24-045.dub.compuserve.com/199.174.181.45	3013
980503	9:10:21 AM	6500	486	22	186	1061	dial-38-TNT-BTVT-01.ramp.together.net/208.13.202.38	3014
980503	9:13:18 AM	2400	173	4	26	61	1Oust143.tnt1.dothan.al.da.uu.net/208.254.21.143	3015
980503	9:13:49 AM	8400	737	32	166	684	hut3.southwind.net/206.53.98.195	3016
980503	9:25:55 AM	0	24	0	0	0	206.217.166.248/206.217.166.248	3017
980503	9:31:45 AM	2700	147	8	73	309	184.new-york-28.ny.dial-access.att.net/12.68.135.184	3018
980503	9:32:19 AM	9000	198	19	216	368	gate53.planet.fi/195.156.155.63	3019
980503	9:35:20 AM	5600	310	14	105	305	ppp22.northnet.net/156.46.235.107	3020
980503	9:35:50 AM	7350	230	14	148	502	184.new-york-28.ny.dial-access.att.net/12.68.135.184	3021
980503	9:40:00 AM	0	157	0	0	0	171-1-112.ipt.aol.com/152.171.1.112	3022
980503	10:13:54 AM	1350	314	5	61	506	173-226-229.ipt.aol.com/152.173.226.229	3023
980503	10:14:13 AM	5550	230	22	130	297	okcasc3-121.flash.net/209.30.84.121	3024
980503	10:17:26 AM	0	2	0	0	0	ts014d18.cup-ca.concentric.net/209.31.12.174	3025
980503	10:22:39 AM	650	95	1	7	12	ocal-pm1-28.mfi.net/205.161.238.45	3026
980503	10:22:53 AM	3400	206	7	60	355	154.ft-worth-01.tx.dial-access.att.net/12.65.162.154	3027
980503	10:26:41 AM	0	28	0	0	0	sap2.cray.com/137.38.96.91	3028
980503	10:26:49 AM	950	71	3	41	72	202-165-60.ipt.aol.com/152.202.165.60	3029
980503	10:28:05 AM	3200	137	7	46	159	204.244.96.97/204.244.96.97	3030
980503	10:28:20 AM	0	4	0	2	5	204.244.96.97/204.244.96.97	3031
980503	10:30:44 AM	1900	111	3	21	110	205.211.60.28/205.211.60.28	3032
980503	10:57:43 AM	8450	158	18	162	319	ppp326.rtp.intrex.net/209.42.198.71	3033
980503	11:00:55 AM	9000	175	16	193	409	ppp326.rtp.intrex.net/209.42.198.71	3034
980503	11:13:54 AM	3700	169	7	71	266	mpts-03-22.imcnet.net/206.112.140.176	3035
980503	11:15:41 AM	7400	322	20	133	976	bir.fellows.denison.edu/140.141.3.88	3036
980503	11:15:57 AM	100	59	0	6	26	208.20.8.54/208.20.8.54	3037
980503	11:18:03 AM	3800	108	8	48	145	208.20.8.54/208.20.8.54	3038
980503	11:19:03 AM	2400	101	4	29	54	maxlppp-4.visn.net/209.115.29.53	3039
980503	11:24:15 AM	3650	193	7	61	228	1Oust222.tnt3.seal.da.uu.net/208.253.65.222	3040
980503	11:27:20 AM	5000	168	13	93	255	1Oust222.tnt3.seal.da.uu.net/208.253.65.222	3041
980503	11:28:22 AM	0	37	0	59	64	lax-ca11-01.ix.netcom.com/204.30.73.161	3042
980503	11:33:27 AM	0	87	0	7	21	unio-casl-cs-35.dial.bright.net/209.143.16.165	3043
980503	11:34:23 AM	2450	134	4	42	170	user-381clig.dialup.mindspring.com/209.86.6.80	3044
980503	11:35:40 AM	1250	117	2	14	67	unio-casl-cs-35.dial.bright.net/209.143.16.165	3045
980503	11:39:29 AM	5300	319	11	127	340	202.137.1.142/202.137.1.142	3046
980503	11:39:57 AM	3450	182	8	50	261	147.253.192.248/147.253.192.248	3047
980503	11:49:49 AM	3300	143	6	39	134	205.211.60.113/205.211.60.113	3048
980503	11:52:38 AM	350	113	1	28	48	dyn240ppp192.pacific.net.sg/210.24.240.192	3049
980503	11:54:54 AM	3000	241	6	62	177	208.11.231.85/208.11.231.85	3050

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980503	11:56:34 AM	0	91	0	0	0	p03-14.hartford.dialin.ntplx.com/204.213.188.114	3051
980503	11:57:30 AM	4100	87	8	56	150	141.164.138.172/141.164.138.172	3052
980503	12:13:45 PM	3050	236	8	70	180	SHR01822.DORM.TCU.EDU/138.237.149.216	3053
980503	12:18:58 PM	9200	297	20	183	358	SHR01822.DORM.TCU.EDU/138.237.149.216	3054
980503	12:20:15 PM	6500	122	19	145	711	209.16.236.61/209.16.236.61	3055
980503	12:21:32 PM	3750	61	8	48	255	209.16.236.61/209.16.236.61	3056
980503	12:26:04 PM	3950	158	8	54	179	241.arlington-06.va.dial-access.att.net/12.68.69.241	3057
980503	12:32:32 PM	3550	287	10	133	824	s09.ts4.rb.wizzards.net/206.100.190.89	3058
980503	12:34:34 PM	1850	91	6	99	213	s09.ts4.rb.wizzards.net/206.100.190.89	3059
980503	12:38:35 PM	0	89	0	1	5	d97.mnb2.interaccess.com/204.149.98.97	3060
980503	12:40:46 PM	1800	201	3	21	131	195.100.66.2/195.100.66.2	3061
980503	12:42:29 PM	1400	86	2	20	63	195.100.66.2/195.100.66.2	3062
980503	12:44:55 PM	2400	131	4	39	171	195.100.66.2/195.100.66.2	3063
980503	12:47:37 PM	5150	220	11	111	466	170-14-155.ipt.aol.com/152.170.14.155	3064
980503	12:49:43 PM	6500	110	12	117	375	170-14-155.ipt.aol.com/152.170.14.155	3065
980503	12:57:11 PM	9650	207	21	195	574	170-14-155.ipt.aol.com/152.170.14.155	3066
980503	12:58:29 PM	4850	63	11	63	187	170-14-155.ipt.aol.com/152.170.14.155	3067
980503	1:02:05 PM	5550	300	13	77	367	129.109.155.141/129.109.155.141	3068
980503	1:02:34 PM	50	139	0	2	11	pm2-68.vegas.infi.net/206.97.53.68	3069
980503	1:03:44 PM	0	43	0	4	37	modemcable066.98.mtimi.videotron.net/207.253.98.66	3070
980503	1:04:29 PM	900	86	3	52	67	pm2-68.vegas.infi.net/206.97.53.68	3071
980503	1:05:16 PM	3450	267	9	90	271	usr-x2-alma-08.libertyaccess.com/209.176.111.117	3072
980503	1:05:28 PM	1750	86	7	86	180	modemcable066.98.mtimi.videotron.net/207.253.98.66	3073
980503	1:06:44 PM	5350	263	13	78	530	129.109.155.141/129.109.155.141	3074
980503	1:07:56 PM	1250	130	5	79	845	modemcable066.98.mtimi.videotron.net/207.253.98.66	3075
980503	1:10:44 PM	4000	152	10	106	537	modemcable066.98.mtimi.videotron.net/207.253.98.66	3076
980503	1:12:43 PM	0	69	0	21	100	getdowns.pr.mcs.net/204.95.35.92	3077
980503	1:13:12 PM	13200	798	34	346	1716	ppp-207-215-85-34.scrm01.pacbell.net/207.215.85.34	3078
980503	1:14:04 PM	1800	65	2	29	320	getdowns.pr.mcs.net/204.95.35.92	3079
980503	1:17:41 PM	5050	200	18	169	1844	getdowns.pr.mcs.net/204.95.35.92	3080
980503	1:19:06 PM	8200	346	17	412	940	ppp-207-215-85-34.scrm01.pacbell.net/207.215.85.34	3081
980503	1:20:42 PM	6050	781	23	149	1937	ppp009.sf.hdc.net/208.154.136.41	3082
980503	1:20:57 PM	3750	180	9	119	2390	getdowns.pr.mcs.net/204.95.35.92	3083
980503	1:25:42 PM	3500	206	7	40	554	s22.netfox.net/208.222.213.22	3084
980503	1:29:21 PM	6600	267	18	154	911	client-151-198-132-13.bellatlantic.net/151.198.132.13	3085
980503	1:33:04 PM	4700	168	10	60	118	pool043-max2.dal3-ca-us.dialup.earthlink.net/209.178.15.243	3086
980503	1:36:43 PM	8950	390	18	182	607	pm092.kiski.net/208.22.46.142	3087
980503	1:36:44 PM	1500	42	6	49	93	cx45836-a.cmbanl.ne.home.com/24.3.227.131	3088
980503	1:38:40 PM	8050	320	14	201	296	pool043-max2.dal3-ca-us.dialup.earthlink.net/209.178.15.243	3089
980503	1:39:19 PM	2500	196	4	31	110	dip-01.max-01.seneca.csonline.net/206.101.113.101	3090
980503	1:41:46 PM	2450	127	4	25	118	dip-01.max-01.seneca.csonline.net/206.101.113.101	3091
980503	1:43:18 PM	8250	260	19	154	303	pool043-max2.dal3-ca-us.dialup.earthlink.net/209.178.15.243	3092
980503	1:44:37 PM	28600	461	49	649	1444	pm092.kiski.net/208.22.46.142	3093
980503	1:45:57 PM	2400	232	4	24	175	dip-01.max-01.seneca.csonline.net/206.101.113.101	3094
980503	1:48:40 PM	2400	131	4	28	100	dip-01.max-01.seneca.csonline.net/206.101.113.101	3095
980503	1:50:28 PM	1550	86	4	66	121	slip166-72-157-96.ca.us.ibm.net/166.72.157.96	3096
980503	1:51:08 PM	2000	123	3	24	106	dip-01.max-01.seneca.csonline.net/206.101.113.101	3097
980503	1:51:27 PM	18150	391	39	469	1340	pm092.kiski.net/208.22.46.142	3098
980503	1:53:52 PM	2700	115	4	31	103	dip-01.max-01.seneca.csonline.net/206.101.113.101	3099
980503	1:57:18 PM	3200	121	5	34	96	dip-01.max-01.seneca.csonline.net/206.101.113.101	3100
980503	2:00:17 PM	4800	347	12	88	336	142.204.84.53/142.204.84.53	3101
980503	2:01:30 PM	600	287	2	41	64	ppp-206-170-2-83.sntc01.pacbell.net/206.170.2.83	3102
980503	2:01:41 PM	5450	166	12	86	175	NEAL6.uwsp.edu/143.236.55.208	3103
980503	2:03:47 PM	4800	215	11	100	582	sherwood-142.foothill.net/209.77.113.142	3104
980503	2:06:25 PM	30400	577	55	718	2076	kirk01-5.accessone.com/209.43.128.5	3105
980503	2:07:07 PM	10000	388	19	292	710	ppp108.brandywine.net/207.106.54.40	3106
980503	2:07:22 PM	2700	150	9	97	331	sc24.ac.siue.edu/146.163.15.54	3107
980503	2:09:05 PM	4150	342	11	62	194	eb-pm1-27-59.dialup.slip.net/207.171.198.59	3108
980503	2:10:40 PM	3000	86	5	31	240	eb-pm1-27-59.dialup.slip.net/207.171.198.59	3109
980503	2:11:05 PM	4200	205	11	91	416	sc24.ac.siue.edu/146.163.15.54	3110
980503	2:12:55 PM	8300	306	15	188	378	ppp108.brandywine.net/207.106.54.40	3111
980503	2:13:33 PM	100	114	0	16	22	tsl-06.f1701.quebectel.com/142.169.136.9	3112
980503	2:15:39 PM	4950	258	15	140	790	sc24.ac.siue.edu/146.163.15.54	3113
980503	2:21:32 PM	1100	99	4	50	103	pm3170.spectra.net/204.177.130.170	3114
980503	2:26:25 PM	0	2	0	0	0	166-93-76-79.zmi.net/166.93.76.79	3115
980503	2:28:54 PM	3000	162	5	30	134	208.31.5.249/208.31.5.249	3116
980503	2:31:41 PM	2800	151	7	56	399	208.31.5.249/208.31.5.249	3117
980503	2:34:30 PM	400	111	0	22	34	pc-4514.on.rogers.wave.ca/24.112.40.198	3118
980503	2:35:19 PM	11650	413	25	296	655	p109b.rcn.rmt.edu/129.138.35.69	3119
980503	2:37:31 PM	4750	336	16	151	1565	208.31.5.249/208.31.5.249	3120
980503	2:37:40 PM	0	75	0	0	0	172-222-235.ipt.aol.com/152.172.222.235	3121
980503	2:37:46 PM	8800	182	17	167	407	171-203-155.ipt.aol.com/152.171.203.155	3122
980503	2:43:35 PM	4750	296	11	116	944	208.31.5.249/208.31.5.249	3123
980503	2:46:11 PM	8850	221	20	216	470	171-203-155.ipt.aol.com/152.171.203.155	3124
980503	2:47:54 PM	5100	193	12	100	431	ip23.cws-inc.com/208.6.203.151	3125
980503	2:49:09 PM	2300	79	5	28	217	208.31.5.249/208.31.5.249	3126
980503	2:51:25 PM	6300	150	13	157	386	68.chattanooga-01.tn.dial-access.att.net/12.69.76.68	3127
980503	2:51:32 PM	4400	130	7	116	240	208.31.5.249/208.31.5.249	3128
980503	2:52:04 PM	7500	234	14	137	398	ip23.cws-inc.com/208.6.203.151	3129
980503	2:53:06 PM	8000	305	32	206	473	202-36-248.ipt.aol.com/152.202.36.248	3130
980503	2:54:54 PM	5550	186	11	88	455	208.31.5.249/208.31.5.249	3131
980503	2:56:37 PM	3100	88	6	41	227	208.31.5.249/208.31.5.249	3132
980503	3:00:52 PM	7600	239	16	151	535	208.31.5.249/208.31.5.249	3133
980503	3:08:21 PM	1550	187	5	55	245	206.153.71.83/206.153.71.83	3134
980503	3:12:48 PM	36750	1153	145	780	3239	202-36-248.ipt.aol.com/152.202.36.248	3135
980503	3:13:07 PM	250	92	1	65	535	sa7-p43.dreamscape.com/209.4.228.171	3136
980503	3:15:09 PM	2750	107	11	123	667	sa7-p43.dreamscape.com/209.4.228.171	3137
980503	3:28:11 PM	7750	269	17	204	991	travelsys.com/207.122.75.242	3138
980503	3:31:04 PM	0	251	0	0	0	client-151-197-121-36.bellatlantic.net/151.197.121.36	3139
980503	3:31:05 PM	0	133	0	1	2	irv_netserver_11.phoenix.com/134.122.60.61	3140
980503	3:32:28 PM	0	74	0	0	1	client-151-197-121-36.bellatlantic.net/151.197.121.36	3141
980503	3:33:33 PM	10350	287	26	237	735	bradford016-ResHalls.Mines.EDU/138.67.72.16	3142
980503	3:37:22 PM	10650	212	23	313	762	bradford016-ResHalls.Mines.EDU/138.67.72.16	3143
980503	3:41:23 PM	12050	212	19	277	551	bradford016-ResHalls.Mines.EDU/138.67.72.16	3144
980503	3:45:50 PM	11750	219	21	261	854	bradford016-ResHalls.Mines.EDU/138.67.72.16	3145
980503	3:48:34 PM	11900	148	18	246	544	bradford016-ResHalls.Mines.EDU/138.67.72.16	3146
980503	3:52:27 PM	1950	201	5	70	174	t2-34.tznet.com/205.216.108.34	3147
980503	3:53:16 PM	21150	239	32	466	928	bradford016-ResHalls.Mines.EDU/138.67.72.16	3148
980503	3:54:58 PM	9050	264	25	235	995	171-203-155.ipt.aol.com/152.171.203.155	3149
980503	3:58:09 PM	7600	826	29	220	1598	hlfx36-26.ns.sympatico.ca/142.177.29.95	3150
980503	3:59:36 PM	8750	412	28	197	854	t2-34.tznet.com/205.216.108.34	3151
980503	4:00:51 PM	7550	276	15	130	329	1Oust221.tnt16.sfo3.da.uu.net/153.37.46.221	3152
980503	4:03:13 PM	4400	202	10	97	294	t2-34.tznet.com/205.216.108.34	3153
980503	4:09:30 PM	5600	244	11	127	389	208.230.216.250/208.230.216.250	3154

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980503	4:12:57 PM	12650	569	25	359	964	t2-34.tznet.com/205.216.108.34	3155
980503	4:15:54 PM	2150	236	4	26	62	ppp131-lardtx.ICSI.Net/199.1.102.131	3156
980503	4:16:26 PM	3250	201	12	133	388	141.85.134.3/141.85.134.3	3157
980503	4:16:33 PM	500	31	2	44	52	node29.mcphersonx2.midusa.net/208.137.165.29	3158
980503	4:18:37 PM	2650	148	5	35	113	ppp131-lardtx.ICSI.Net/199.1.102.131	3159
980503	4:18:38 PM	6150	324	16	90	779	t2-34.tznet.com/205.216.108.34	3160
980503	4:23:03 PM	2500	144	4	26	91	1Cust43.max7.cleveland.oh.ms.uu.net/153.35.127.171	3161
980503	4:23:15 PM	650	67	1	9	44	saturn-109.internet-frontier.net/208.196.56.109	3162
980503	4:26:31 PM	11100	423	29	228	927	t2-34.tznet.com/205.216.108.34	3163
980503	4:41:29 PM	4000	171	10	66	156	1Cust26.max43.chicago.il.ms.uu.net/153.35.119.154	3164
980503	4:46:17 PM	7550	271	13	133	361	1Cust26.max43.chicago.il.ms.uu.net/153.35.119.154	3165
980503	4:50:13 PM	6350	220	11	137	258	1Cust26.max43.chicago.il.ms.uu.net/153.35.119.154	3166
980503	4:55:07 PM	8350	276	18	182	450	1Cust26.max43.chicago.il.ms.uu.net/153.35.119.154	3167
980503	4:55:25 PM	2450	367	4	57	459	dynamic9.buf.adelphia.net/24.48.32.9	3168
980503	4:58:04 PM	2400	137	4	27	155	dynamic9.buf.adelphia.net/24.48.32.9	3169
980503	4:59:41 PM	1800	166	3	19	76	knggs3-19.gate.net/207.36.2.82	3170
980503	5:08:29 PM	2650	94	5	36	102	chal2.ramlink.net/199.1.24.142	3171
980503	5:15:15 PM	3750	315	7	46	196	206.81.150.102/206.81.150.102	3172
980503	5:20:35 PM	350	85	1	9	37	38.186.109.18/38.186.109.18	3173
980503	5:21:09 PM	3800	163	8	53	146	KansasCityKCDP154-224.SplitRock.net/209.156.154.224	3174
980503	5:26:57 PM	3750	332	8	61	264	KansasCityKCDP154-224.SplitRock.net/209.156.154.224	3175
980503	5:29:48 PM	5200	152	12	78	200	KansasCityKCDP154-224.SplitRock.net/209.156.154.224	3176
980503	5:32:26 PM	0	40	0	13	59	cx64525-a.alsv1.occa.home.com/24.1.166.211	3177
980503	5:33:55 PM	1200	74	2	18	89	cx64525-a.alsv1.occa.home.com/24.1.166.211	3178
980503	5:34:11 PM	3250	245	6	43	119	KansasCityKCDP154-224.SplitRock.net/209.156.154.224	3179
980503	5:34:45 PM	4800	149	10	61	274	ci85061-a.nash1.tn.home.com/24.2.97.219	3180
980503	5:34:57 PM	3500	86	14	115	247	spc-isp-wpg-uas-05-17.sprint.ca/209.103.40.68	3181
980503	5:38:08 PM	5850	181	16	88	344	ci85061-a.nash1.tn.home.com/24.2.97.219	3182
980503	5:38:54 PM	3600	267	8	72	197	KansasCityKCDP154-224.SplitRock.net/209.156.154.224	3183
980503	5:39:43 PM	4300	333	11	108	456	cx64525-a.alsv1.occa.home.com/24.1.166.211	3184
980503	5:42:57 PM	3350	159	5	48	256	cx64525-a.alsv1.occa.home.com/24.1.166.211	3185
980503	5:43:48 PM	4600	279	12	95	340	KansasCityKCDP154-224.SplitRock.net/209.156.154.224	3186
980503	5:44:59 PM	800	84	1	10	72	cx64525-a.alsv1.occa.home.com/24.1.166.211	3187
980503	5:47:54 PM	2950	223	10	106	428	KansasCityKCDP154-224.SplitRock.net/209.156.154.224	3188
980503	5:52:23 PM	2950	96	6	37	219	tc2-52.utah-inter.net/208.14.200.182	3189
980503	5:55:42 PM	4600	181	10	57	791	tc2-52.utah-inter.net/208.14.200.182	3190
980503	6:55:46 PM	4750	195	13	111	495	ocal-pm2-04.mfi.net/205.161.238.51	3191
980503	6:55:48 PM	3700	157	9	89	309	d01a86b8.dip.cdsnet.net/208.26.134.184	3192
980503	6:55:48 PM	7900	501	19	191	1068	bay6-2.dial.umd.edu/128.8.23.66	3193
980503	6:55:49 PM	4800	114	11	83	206	d01a86b8.dip.cdsnet.net/208.26.134.184	3194
980503	6:55:49 PM	700	41	1	14	66	d01a86b8.dip.cdsnet.net/208.26.134.184	3195
980503	6:55:50 PM	9400	366	21	241	718	t3-125.tznet.com/205.216.108.125	3196
980503	6:55:51 PM	4700	250	11	65	593	t3-125.tznet.com/205.216.108.125	3197
980503	6:55:51 PM	2750	202	6	67	163	pool050-max12.ds6-ca-us.dialup.earthlink.net/207.217.232.100	3198
980503	6:55:52 PM	9650	302	17	232	433	t3-125.tznet.com/205.216.108.125	3199
980503	6:55:52 PM	2450	120	4	34	102	lgdppp151.eoni.com/192.216.239.151	3200
980503	6:55:53 PM	4750	267	11	68	387	pool050-max12.ds6-ca-us.dialup.earthlink.net/207.217.232.100	3201
980503	6:55:54 PM	4700	536	12	162	1011	client-207-68-63-65.bellatlantic.net/207.68.63.65	3202
980503	6:55:54 PM	3000	178	11	99	285	lgdppp151.eoni.com/192.216.239.151	3203
980503	6:55:55 PM	3650	304	13	141	1670	pool050-max12.ds6-ca-us.dialup.earthlink.net/207.217.232.100	3204
980503	6:55:56 PM	2050	146	3	24	124	guyas52004a1.ptsi.net/207.50.2.132	3205
980503	6:55:56 PM	6950	201	18	196	615	tnt0-080115.kc.sound.net/209.153.80.115	3206
980503	6:58:44 PM	3950	203	9	123	968	130.160.36.85/130.160.36.85	3207
980503	7:00:35 PM	0	53	0	0	0	cct1.cray.com/137.38.96.10	3208
980503	7:00:56 PM	5550	234	12	87	238	guyas52004a1.ptsi.net/207.50.2.132	3209
980503	7:01:59 PM	6650	217	18	166	970	tnt0-080115.kc.sound.net/209.153.80.115	3210
980503	7:04:11 PM	5550	294	20	162	531	pm-14.ili.net/206.250.201.38	3211
980503	7:05:06 PM	6600	171	19	171	863	tnt0-080115.kc.sound.net/209.153.80.115	3212
980503	7:13:25 PM	2950	190	6	38	63	201-170-46.ipt.aol.com/152.201.170.46	3213
980503	7:20:26 PM	6050	403	18	118	607	201-170-46.ipt.aol.com/152.201.170.46	3214
980503	7:21:12 PM	1800	110	3	23	49	1Cust253.tnt1.orl1.da.uu.net/208.250.77.253	3215
980503	7:21:37 PM	9300	381	28	185	1435	203-51-170.ipt.aol.com/152.203.51.170	3216
980503	7:26:24 PM	7700	296	21	167	578	1Cust253.tnt1.orl1.da.uu.net/208.250.77.253	3217
980503	7:28:21 PM	11400	371	32	310	1342	203-51-170.ipt.aol.com/152.203.51.170	3218
980503	7:29:50 PM	9050	191	19	218	536	1Cust253.tnt1.orl1.da.uu.net/208.250.77.253	3219
980503	7:52:31 PM	700	324	1	19	60	ostb110.capecod.net/208.204.67.110	3220
980503	7:54:13 PM	11500	314	29	286	1220	sa3-p34.dreamscape.com/207.198.19.98	3221
980503	7:56:16 PM	3950	108	10	140	422	sa3-p34.dreamscape.com/207.198.19.98	3222
980503	7:57:19 PM	2150	261	3	29	57	ostb110.capecod.net/208.204.67.110	3223
980503	8:22:12 PM	0	4	0	0	0	cc1004774-a.lwum1.pa.home.com/24.3.108.110	3224
980503	8:34:22 PM	1750	111	7	75	208	tns02046.singnet.com.sg/165.21.204.236	3225
980503	8:43:17 PM	200	83	0	4	12	1Cust119.tnt24.sfo3.da.uu.net/208.255.67.119	3226
980503	8:56:11 PM	5450	425	12	88	223	user-37kbo1j.dialup.mindspring.com/207.69.224.51	3227
980503	8:59:50 PM	400	65	0	13	67	home.pcmedics.com/207.203.136.228	3228
980503	9:11:07 PM	5250	247	10	118	366	205-123-176.ipt.aol.com/152.205.123.176	3229
980503	9:17:23 PM	4950	459	17	132	544	1Cust193.tnt3.beaverton.or.da.uu.net/153.35.224.193	3230
980503	9:19:36 PM	8700	266	25	164	521	p89.p.wr.ic.net/152.160.17.92	3231
980503	9:21:35 PM	5450	167	19	165	864	modemcable066.98.mtimi.videotron.net/207.253.98.66	3232
980503	9:22:27 PM	2350	37	8	109	218	modemcable066.98.mtimi.videotron.net/207.253.98.66	3233
980503	9:23:48 PM	900	64	3	86	391	modemcable066.98.mtimi.videotron.net/207.253.98.66	3234
980503	9:24:25 PM	1450	23	5	75	160	modemcable066.98.mtimi.videotron.net/207.253.98.66	3235
980503	9:25:56 PM	8600	493	33	240	1235	1Cust193.tnt3.beaverton.or.da.uu.net/153.35.224.193	3236
980503	9:28:16 PM	7550	463	20	167	799	194.birmingham-01.al.dial-access.att.net/12.67.64.194	3237
980503	9:31:19 PM	6300	272	18	153	727	1Cust193.tnt3.beaverton.or.da.uu.net/153.35.224.193	3238
980503	9:34:35 PM	7550	248	17	161	520	ip226-59.cc.interlog.com/207.34.226.59	3239
980503	9:36:03 PM	450	242	1	28	232	1Cust193.tnt3.beaverton.or.da.uu.net/153.35.224.193	3240
980503	9:36:57 PM	0	38	0	6	26	1Cust193.tnt3.beaverton.or.da.uu.net/153.35.224.193	3241
980503	9:38:16 PM	0	64	0	9	48	1Cust193.tnt3.beaverton.or.da.uu.net/153.35.224.193	3242
980503	9:44:45 PM	12500	748	40	233	692	oak-port34.jps.net/209.142.28.41	3243
980503	9:45:02 PM	0	391	0	24	182	1Cust193.tnt3.beaverton.or.da.uu.net/153.35.224.193	3244
980503	9:48:36 PM	1800	66	3	18	72	128.100.46.51/128.100.46.51	3245
980503	9:54:46 PM	4350	157	16	149	509	sil-wa2-04.ix.netcom.com/206.214.137.36	3246
980503	9:57:57 PM	6000	211	23	163	327	line14.vernonia.com/206.58.139.145	3247
980503	9:58:31 PM	3350	131	5	39	110	204.244.96.78/204.244.96.78	3248
980503	10:01:11 PM	11550	370	30	278	1501	sil-wa2-04.ix.netcom.com/206.214.137.36	3249
980503	10:07:48 PM	11650	535	43	292	1871	line14.vernonia.com/206.58.139.145	3250
980503	10:11:34 PM	3400	80	6	53	78	29.orlando-07.fl.dial-access.att.net/12.70.6.29	3251
980503	10:12:40 PM	6600	333	15	154	366	dialup4.pm2.caverns.com/206.206.164.25	3252
980503	10:13:44 PM	3150	110	7	90	253	29.orlando-07.fl.dial-access.att.net/12.70.6.29	3253
980503	10:17:13 PM	4200	488	9	58	313	dyn72ppp169.pacific.net.sg/210.24.72.169	3254
980503	10:17:23 PM	4750	263	16	151	394	dialup4.pm2.caverns.com/206.206.164.25	3255
980503	10:27:09 PM	10750	567	20	290	672	dialup4.pm2.caverns.com/206.206.164.25	3256
980503	10:28:59 PM	1500	88	6	72	172	vchaselport10.hilconet.com/207.71.2.46	3257
980503	10:29:10 PM	1450	65	5	62	109	pppa163.okc.nstar.net/209.131.174.163	3258

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980503	10:30:53 PM	2300	97	8	93	318	vchaselport10.hiconet.com/207.71.2.46	3259
980503	10:33:19 PM	5000	355	11	64	372	dialup4.pm2.caverns.com/206.206.164.25	3260
980503	10:34:48 PM	500	52	1	10	36	209.210.180.13/209.210.180.13	3261
980503	10:36:05 PM	1400	551	4	84	277	lc091.zianet.com/204.134.124.191	3262
980503	10:36:09 PM	200	65	0	10	29	209.210.180.13/209.210.180.13	3263
980503	10:48:30 PM	4900	162	14	94	376	188.dallas-10.tx.dial-access.att.net/12.67.3.188	3264
980503	11:11:23 PM	2550	109	6	75	182	coltrane-a-asy-16.rutgers.edu/165.230.208.84	3265
980503	11:15:24 PM	7500	290	24	189	1078	131.denver-18-19rs.co.dial-access.att.net/12.74.79.131	3266
980503	11:26:01 PM	8350	242	25	158	914	131.denver-18-19rs.co.dial-access.att.net/12.74.79.131	3267
980503	11:45:26 PM	6600	333	16	104	311	al6-41.itis.com/209.83.14.233	3268
980504	12:08:18 AM	4350	171	10	68	375	ts233.vcr.wis.net/204.191.170.233	3269
980504	12:41:17 AM	3200	132	5	43	254	58.seattle-08.wa.dial-access.att.net/12.65.80.58	3270
980504	12:43:11 AM	4000	104	10	85	210	58.seattle-08.wa.dial-access.att.net/12.65.80.58	3271
980504	1:46:36 AM	5300	394	21	163	1311	203.35.209.212/203.35.209.212	3272
980504	3:52:13 AM	7300	438	23	159	343	209.58.12.189/209.58.12.189	3273
980504	3:58:49 AM	6600	300	18	150	296	209.58.12.189/209.58.12.189	3274
980504	6:07:36 AM	3450	82	6	48	119	194.168.203.189/194.168.203.189	3275
980504	7:25:16 AM	11000	451	38	245	1065	modem31-syd-isp-10.one.net.au/202.167.37.150	3276
980504	7:39:58 AM	0	7	0	0	1	sfo-ca5-18.ix.netcom.com/199.35.210.178	3277
980504	7:52:33 AM	0	62	0	0	0	207.87.132.10/207.87.132.10	3278
980504	8:21:07 AM	700	49	2	19	42	cgowave-3-15.cgocable.net/24.226.3.15	3279
980504	8:22:35 AM	2400	73	8	80	197	cgowave-3-15.cgocable.net/24.226.3.15	3280
980504	8:41:48 AM	0	92	0	1	4	lvl-mac079.usc.edu/128.125.140.94	3281
980504	8:43:09 AM	1300	88	3	31	140	lvl-mac079.usc.edu/128.125.140.94	3282
980504	8:45:19 AM	1950	66	7	94	206	lvl-mac079.usc.edu/128.125.140.94	3283
980504	8:45:27 AM	1850	111	4	69	277	lvl-mac079.usc.edu/128.125.140.94	3284
980504	8:51:08 AM	7400	402	24	192	1053	mex-09-2-11.1033.cybercity.dk/195.8.139.172	3285
980504	9:11:12 AM	0	45	0	0	0	rotc8.rotc.mtu.edu/141.219.41.148	3286
980504	9:22:31 AM	3700	214	9	67	385	rotc8.rotc.mtu.edu/141.219.41.148	3287
980504	9:34:46 AM	0	25	0	6	14	206.26.220.6/206.26.220.6	3288
980504	9:42:15 AM	8400	349	21	240	759	inkling.cba.uga.edu/128.192.100.227	3289
980504	9:44:18 AM	3350	111	7	79	202	inkling.cba.uga.edu/128.192.100.227	3290
980504	9:46:59 AM	7650	353	19	178	497	pulaski-2-12.netnet.net/206.40.105.35	3291
980504	9:47:00 AM	2450	40	9	105	149	inkling.cba.uga.edu/128.192.100.227	3292
980504	9:47:15 AM	0	4	0	0	0	pulaski-2-12.netnet.net/206.40.105.35	3293
980504	9:52:28 AM	20550	296	37	662	1102	inkling.cba.uga.edu/128.192.100.227	3294
980504	9:55:29 AM	5000	234	14	110	290	pulaski-2-12.netnet.net/206.40.105.35	3295
980504	10:02:13 AM	9150	386	22	185	504	pulaski-2-12.netnet.net/206.40.105.35	3296
980504	10:04:35 AM	4100	124	8	46	177	pulaski-2-12.netnet.net/206.40.105.35	3297
980504	10:23:58 AM	4000	171	16	114	302	host-209-215-184-27.clt.bellsouth.net/209.215.184.27	3298
980504	10:28:38 AM	3400	154	8	84	350	host-209-215-184-27.clt.bellsouth.net/209.215.184.27	3299
980504	10:33:20 AM	0	40	0	0	0	odepc1.arl.mil/128.63.56.81	3300
980504	10:35:58 AM	1550	142	6	61	123	odepc1.arl.mil/128.63.56.81	3301
980504	10:40:34 AM	2650	398	5	29	251	209.174.249.15/209.174.249.15	3302
980504	11:00:04 AM	650	102	2	47	125	robert.nic-inc.com/207.78.168.101	3303
980504	11:05:43 AM	1400	98	3	40	115	207.74.186.132/207.74.186.132	3304
980504	11:07:22 AM	4300	247	11	129	522	gbe.ne.mediaone.net/24.128.3.91	3305
980504	11:16:44 AM	0	697	0	0	0	1Cust92.tnt1.chi2.da.uu.net/208.250.117.92	3306
980504	11:18:29 AM	0	1	0	0	0	207.240.172.237/207.240.172.237	3307
980504	12:07:52 PM	8600	230	19	166	604	du75.wb.ptd.net/204.186.14.75	3308
980504	12:13:55 PM	6500	628	13	142	565	ts29111.pathcom.com/209.112.18.62	3309
980504	12:21:08 PM	0	128	0	0	34	160.7.64.192/160.7.64.192	3310
980504	12:51:54 PM	4000	145	8	54	346	Extension-131B.CSS.ORST.EDU/128.193.102.154	3311
980504	12:55:42 PM	0	27	0	20	23	t2o39p9.telia.com/195.198.43.69	3312
980504	12:56:17 PM	6600	154	18	162	532	Extension-131B.CSS.ORST.EDU/128.193.102.154	3313
980504	12:57:58 PM	4150	121	9	79	411	t2o39p9.telia.com/195.198.43.69	3314
980504	1:12:21 PM	6450	325	20	173	826	199.176.126.236/199.176.126.236	3315
980504	1:14:33 PM	1400	116	4	96	242	199.176.126.236/199.176.126.236	3316
980504	1:15:48 PM	1250	61	4	61	141	199.176.126.236/199.176.126.236	3317
980504	1:18:20 PM	2350	137	7	109	301	199.176.126.236/199.176.126.236	3318
980504	1:18:51 PM	0	15	0	18	49	199.176.126.236/199.176.126.236	3319
980504	1:20:45 PM	3500	100	13	121	348	199.176.126.236/199.176.126.236	3320
980504	1:25:17 PM	3500	80	11	127	302	199.176.126.236/199.176.126.236	3321
980504	1:38:13 PM	300	118	1	7	32	164.116.208.135/164.116.208.135	3322
980504	1:57:14 PM	5650	363	22	167	853	1Cust95.tnt13.det3.da.uu.net/208.254.241.95	3323
980504	2:31:11 PM	50	117	0	9	55	209.12.85.104/209.12.85.104	3324
980504	2:31:14 PM	0	54	0	0	0	209.12.85.106/209.12.85.106	3325
980504	2:39:44 PM	0	119	0	0	5	smpool70.abceo.k12.ca.us/204.48.133.70	3326
980504	2:40:08 PM	4100	161	9	53	163	g2-p5.hamilton.wchat.on.ca/207.61.164.37	3327
980504	2:42:55 PM	4350	156	16	135	540	g2-p5.hamilton.wchat.on.ca/207.61.164.37	3328
980504	2:50:39 PM	800	62	1	10	30	149.127.130.115/149.127.130.115	3329
980504	3:22:27 PM	8350	208	18	162	418	hdn96-105.hil.compuserve.com/209.154.58.105	3330
980504	3:24:50 PM	4600	106	10	88	237	hdn96-105.hil.compuserve.com/209.154.58.105	3331
980504	3:25:08 PM	3550	154	8	65	186	us030.rdyne.bna.boeing.com/134.57.58.141	3332
980504	3:27:43 PM	4450	662	8	172	397	1Cust180.tnt10.bos2.da.uu.net/208.254.152.180	3333
980504	3:42:33 PM	1800	77	3	28	70	195.64.37.42/195.64.37.42	3334
980504	3:46:05 PM	800	79	2	35	86	204.244.239.36/204.244.239.36	3335
980504	3:49:21 PM	1250	88	5	64	103	host-222.inter-tel.com/192.68.180.222	3336
980504	3:54:02 PM	10100	358	23	189	529	pulaski-5-2.netnet.net/206.40.105.88	3337
980504	4:06:12 PM	4100	169	9	55	242	pulaski-5-2.netnet.net/206.40.105.88	3338
980504	4:09:31 PM	2900	258	6	37	98	1Cust2.max35.cleveland.oh.ms.uu.net/153.35.141.130	3339
980504	4:17:50 PM	4650	146	10	64	143	ppp645.pdn.net/207.226.201.145	3340
980504	4:22:32 PM	7950	202	17	220	609	35.new-york-27.ny.dial-access.att.net/12.68.134.35	3341
980504	4:25:32 PM	7050	164	14	188	408	35.new-york-27.ny.dial-access.att.net/12.68.134.35	3342
980504	4:28:39 PM	6850	169	12	116	306	35.new-york-27.ny.dial-access.att.net/12.68.134.35	3343
980504	4:29:02 PM	7550	386	21	165	867	172-193-29.ipt.aol.com/152.172.193.29	3344
980504	4:30:36 PM	3000	100	5	45	165	35.new-york-27.ny.dial-access.att.net/12.68.134.35	3345
980504	4:35:48 PM	1800	32	6	53	186	1Cust10.max2.new-york.ny.ms.uu.net/153.35.0.138	3346
980504	4:39:01 PM	3750	177	8	55	749	1Cust10.max2.new-york.ny.ms.uu.net/153.35.0.138	3347
980504	4:39:42 PM	2200	149	6	53	91	hag3.infocom.com/208.196.32.105	3348
980504	4:39:55 PM	13750	638	39	300	1608	172-193-29.ipt.aol.com/152.172.193.29	3349
980504	4:40:09 PM	2550	163	4	30	55	198.76.226.137/198.76.226.137	3350
980504	4:41:27 PM	3200	89	5	34	65	hag3.infocom.com/208.196.32.105	3351
980504	4:43:13 PM	7500	237	23	154	1450	1Cust10.max2.new-york.ny.ms.uu.net/153.35.0.138	3352
980504	4:48:51 PM	4850	213	11	67	226	hag3.infocom.com/208.196.32.105	3353
980504	4:51:14 PM	3650	309	9	52	294	198.30.208.65/198.30.208.65	3354
980504	4:51:27 PM	12450	674	35	308	1051	172-193-29.ipt.aol.com/152.172.193.29	3355
980504	4:52:38 PM	850	59	2	11	42	198.30.208.65/198.30.208.65	3356
980504	4:54:30 PM	150	103	0	16	73	ppp3158.qc.bellglobal.com/206.172.222.86	3357
980504	4:55:35 PM	9000	388	20	171	454	hag3.infocom.com/208.196.32.105	3358
980504	4:57:09 PM	0	30	0	0	0	c00980-247dan.eos.ncsu.edu/152.1.21.80	3359
980504	4:58:50 PM	6200	241	16	122	336	159.birmingham-01.al.dial-access.att.net/12.67.64.159	3360
980504	5:00:21 PM	7150	269	12	133	215	hag3.infocom.com/208.196.32.105	3361
980504	5:02:49 PM	4000	83	7	73	116	206.144.90.176/206.144.90.176	3362

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980504	5:04:57 PM	8000	252	16	136	307	hag3.infocom.com/208.196.32.105	3363
980504	5:06:28 PM	0	8	0	0	0	ppp15.hoflink.com/199.173.65.115	3364
980504	5:07:42 PM	10000	282	23	220	660	206.144.90.176/206.144.90.176	3365
980504	5:09:14 PM	7700	224	15	125	230	hag3.infocom.com/208.196.32.105	3366
980504	5:11:21 PM	800	23	1	10	26	nat-aoc-248-1.tdbank.ca/142.205.248.1	3367
980504	5:11:22 PM	2550	204	4	29	108	198.76.242.183/198.76.242.183	3368
980504	5:11:34 PM	0	4	0	0	0	198.76.242.183/198.76.242.183	3369
980504	5:13:56 PM	950	215	3	50	98	198.243.102.142/198.243.102.142	3370
980504	5:13:58 PM	0	80	0	0	2	207.221.223.193/207.221.223.193	3371
980504	5:14:20 PM	1300	227	4	82	241	usr32-dialup23.mixl.WillowSprings.mci.net/166.55.42.215	3372
980504	5:16:28 PM	0	307	0	0	7	208.214.94.67/208.214.94.67	3373
980504	5:17:32 PM	8550	312	27	188	534	mtns-244ppp219.epix.net/205.238.244.219	3374
980504	5:20:44 PM	1100	113	3	51	196	198.76.242.187/198.76.242.187	3375
980504	5:20:58 PM	0	4	0	0	4	198.76.242.187/198.76.242.187	3376
980504	5:22:45 PM	2000	92	8	74	468	198.76.242.187/198.76.242.187	3377
980504	5:26:05 PM	10650	869	27	208	1991	nat-aoc-248-1.tdbank.ca/142.205.248.1	3378
980504	5:27:17 PM	1750	56	5	81	194	nat-aoc-248-1.tdbank.ca/142.205.248.1	3379
980504	5:50:07 PM	2700	125	10	122	465	modemcable066.98.mtimi.videotron.net/207.253.98.66	3380
980504	5:51:14 PM	1900	51	7	106	232	modemcable066.98.mtimi.videotron.net/207.253.98.66	3381
980504	5:52:41 PM	1950	72	4	27	186	modemcable066.98.mtimi.videotron.net/207.253.98.66	3382
980504	5:54:15 PM	2450	74	4	26	213	modemcable066.98.mtimi.videotron.net/207.253.98.66	3383
980504	5:58:58 PM	3350	212	9	89	433	PS41.RESNET.CORNELL.EDU/128.253.136.43	3384
980504	5:59:28 PM	5100	174	11	68	388	1Qust44.tnt1.st11.da.uu.net/153.34.192.44	3385
980504	6:01:18 PM	4100	123	8	92	234	PS41.RESNET.CORNELL.EDU/128.253.136.43	3386
980504	6:08:23 PM	750	130	1	26	48	198.76.216.127/198.76.216.127	3387
980504	6:10:04 PM	750	92	3	33	92	198.76.216.127/198.76.216.127	3388
980504	6:30:31 PM	2500	210	6	67	158	pm202.newulmtel.net/206.10.54.131	3389
980504	6:46:54 PM	11700	761	29	252	1147	2Qust11.tnt3.new-port-richey.fl.gt.uu.net/208.255.195.139	3390
980504	6:48:19 PM	0	96	0	0	8	F101-7.cc.berkshire.org/208.200.68.107	3391
980504	6:55:35 PM	5000	207	13	87	437	206.144.90.176/206.144.90.176	3392
980504	6:56:20 PM	900	66	3	47	118	192.san-juan-01.pr.dial-access.att.net/12.70.52.192	3393
980504	6:57:57 PM	1700	77	6	87	280	192.san-juan-01.pr.dial-access.att.net/12.70.52.192	3394
980504	7:14:06 PM	20200	265	29	345	600	ci85061-a.nashl.tn.home.com/24.2.97.219	3395
980504	7:25:47 PM	3550	225	7	49	211	dialin1403c.carol.net/208.238.200.67	3396
980504	7:29:20 PM	3000	63	12	101	327	modemcable066.98.mtimi.videotron.net/207.253.98.66	3397
980504	7:29:36 PM	1750	184	7	58	98	p224-20.atlas.co.uk/195.54.224.20	3398
980504	7:29:55 PM	3950	229	7	59	175	dialin1403c.carol.net/208.238.200.67	3399
980504	7:32:21 PM	6350	141	11	188	346	modemcable066.98.mtimi.videotron.net/207.253.98.66	3400
980504	7:36:54 PM	2500	137	4	43	93	rice-b-04.altoona.nb.net/209.161.76.196	3401
980504	7:38:33 PM	14150	358	26	397	1272	modemcable066.98.mtimi.videotron.net/207.253.98.66	3402
980504	7:41:13 PM	3150	205	7	52	251	d01a80e7.dip.odsnet.net/208.26.128.231	3403
980504	7:43:01 PM	8850	253	20	213	974	modemcable066.98.mtimi.videotron.net/207.253.98.66	3404
980504	7:43:32 PM	3850	157	7	47	129	modem51.truman.edu/150.243.190.51	3405
980504	7:44:52 PM	3200	207	7	48	326	d01a80e7.dip.odsnet.net/208.26.128.231	3406
980504	7:46:14 PM	7900	178	16	173	524	modemcable066.98.mtimi.videotron.net/207.253.98.66	3407
980504	7:47:08 PM	4650	200	11	69	259	modem51.truman.edu/150.243.190.51	3408
980504	7:49:08 PM	7100	159	18	175	671	modemcable066.98.mtimi.videotron.net/207.253.98.66	3409
980504	7:52:39 PM	5100	195	13	129	1064	modemcable066.98.mtimi.videotron.net/207.253.98.66	3410
980504	7:54:32 PM	4000	98	9	101	267	modemcable066.98.mtimi.videotron.net/207.253.98.66	3411
980504	7:58:58 PM	10600	693	36	256	1551	modem51.truman.edu/150.243.190.51	3412
980504	7:59:22 PM	2300	226	6	54	251	stn-on1-22.netcom.ca/207.181.100.86	3413
980504	8:01:47 PM	4350	131	9	51	290	stn-on1-22.netcom.ca/207.181.100.86	3414
980504	8:03:33 PM	650	87	1	15	30	stn-on1-22.netcom.ca/207.181.100.86	3415
980504	8:04:13 PM	5150	188	11	109	469	s152.coelink.net/199.190.82.239	3416
980504	8:28:46 PM	5250	146	14	110	313	haddona26.snip.net/208.211.70.26	3417
980504	8:32:16 PM	4150	516	9	53	373	204.229.212.92/204.229.212.92	3418
980504	8:43:34 PM	4400	177	9	55	138	patron.library.ci.mtnview.ca.us/207.201.60.22	3419
980504	8:52:20 PM	0	62	0	0	7	207-172-245-190.s63.as11.nrf.erols.com/207.172.245.190	3420
980504	9:21:04 PM	4150	179	8	66	117	dt031n70.maine.rr.com/204.210.85.112	3421
980504	9:23:59 PM	3450	343	8	47	642	1Qust236.tnt15.atl2.da.uu.net/153.36.94.236	3422
980504	9:26:50 PM	2750	157	5	31	167	1Qust236.tnt15.atl2.da.uu.net/153.36.94.236	3423
980504	9:29:09 PM	2400	123	4	25	135	1Qust236.tnt15.atl2.da.uu.net/153.36.94.236	3424
980504	9:32:05 PM	3200	162	5	34	244	1Qust236.tnt15.atl2.da.uu.net/153.36.94.236	3425
980504	9:42:27 PM	22200	741	73	491	3959	gra-mi10-15.ix.netcom.com/207.220.133.143	3426
980504	9:50:44 PM	1300	77	2	21	46	15.san-jose-03.ca.dial-access.att.net/12.64.105.15	3427
980504	9:52:04 PM	10000	566	24	288	1451	gra-mi10-15.ix.netcom.com/207.220.133.143	3428
980504	10:02:08 PM	0	11	0	0	1	kr-205-38.bgsu.edu/129.1.205.38	3429
980504	10:11:08 PM	36050	1126	106	971	5092	gra-mi10-15.ix.netcom.com/207.220.133.143	3430
980504	10:26:07 PM	0	72	0	0	0	ppp-208-15-147-241.tulsok.swbell.net/208.15.147.241	3431
980504	10:31:05 PM	3300	162	7	77	392	bvi7-245.dialup.accessus.net/207.206.141.245	3432
980504	10:50:14 PM	1100	90	2	45	117	sfdn9-054.sf.compuserve.com/206.175.228.54	3433
980504	10:52:29 PM	1450	118	3	17	217	sfdn9-054.sf.compuserve.com/206.175.228.54	3434
980504	10:56:56 PM	4400	249	17	156	792	sfdn9-054.sf.compuserve.com/206.175.228.54	3435
980504	10:59:47 PM	4850	154	11	139	322	sfdn9-054.sf.compuserve.com/206.175.228.54	3436
980504	11:08:03 PM	5350	247	13	95	267	199.106.87.109/199.106.87.109	3437
980504	11:14:43 PM	10250	384	20	303	545	199.106.87.109/199.106.87.109	3438
980504	11:34:46 PM	4300	374	12	130	358	portal4-ppp-005.imagina.com/206.163.82.104	3439
980504	11:55:09 PM	2950	149	6	36	131	169-129-252.ipt.aol.com/152.169.129.252	3440
980504	11:59:35 PM	4900	169	11	63	304	199.106.87.109/199.106.87.109	3441
980505	12:04:36 AM	9050	284	18	162	453	199.106.87.109/199.106.87.109	3442
980505	12:21:54 AM	2900	221	6	101	636	lr908-m6.ppp.temple.edu/155.247.229.86	3443
980505	12:26:45 AM	7050	276	28	192	655	lr908-m6.ppp.temple.edu/155.247.229.86	3444
980505	12:28:39 AM	7300	387	18	140	497	1Qust223.tnt1.indio.ca.da.uu.net/153.34.180.223	3445
980505	12:34:11 AM	3350	238	7	59	275	ip83.van11.pacifier.com/206.163.57.83	3446
980505	12:49:24 AM	400	82	1	47	145	cvip-mod3-ppp30.csufresno.edu/129.8.212.150	3447
980505	1:17:52 AM	1850	109	7	72	142	137.132.189.176/137.132.189.176	3448
980505	1:20:45 AM	4400	159	9	53	408	137.132.189.176/137.132.189.176	3449
980505	1:29:17 AM	11000	496	22	320	1005	137.132.189.176/137.132.189.176	3450
980505	4:01:08 AM	8600	178	15	279	481	d45-ts05.amug.org/198.182.127.110	3451
980505	4:44:26 AM	3900	168	10	61	234	sc100.softnet.se/192.176.122.100	3452
980505	4:46:48 AM	3800	125	9	80	225	sc100.softnet.se/192.176.122.100	3453
980505	4:50:27 AM	4000	190	9	55	236	sc100.softnet.se/192.176.122.100	3454
980505	5:37:47 AM	7750	524	24	165	1065	sc100.softnet.se/192.176.122.100	3455
980505	5:40:59 AM	3850	174	11	76	784	sc100.softnet.se/192.176.122.100	3456
980505	6:06:21 AM	3400	140	8	75	153	pg05.mic.ul.ie/136.201.110.183	3457
980505	6:17:54 AM	3500	187	8	46	371	pg05.mic.ul.ie/136.201.110.183	3458
980505	6:21:16 AM	5600	187	16	120	557	pg05.mic.ul.ie/136.201.110.183	3459
980505	6:25:27 AM	8150	235	20	201	765	pg05.mic.ul.ie/136.201.110.183	3460
980505	6:39:20 AM	9150	236	24	186	729	pg05.mic.ul.ie/136.201.110.183	3461
980505	7:20:23 AM	8300	228	17	185	660	pg05.mic.ul.ie/136.201.110.183	3462
980505	7:49:21 AM	6050	213	17	112	493	194.18.60.179/194.18.60.179	3463
980505	7:51:55 AM	4750	139	13	106	381	194.18.60.179/194.18.60.179	3464
980505	8:07:01 AM	2500	93	4	26	257	209.21.199.3/209.21.199.3	3465
980505	9:18:21 AM	3500	120	7	40	98	pm24-3.image.dk/194.234.169.195	3466

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980505	9:23:44 AM	8100	308	17	170	399	pm24-3.image.dk/194.234.169.195	3467
980505	10:01:52 AM	0	20	0	8	13	dlls-94ppp65.epix.net/199.224.94.65	3468
980505	10:08:13 AM	1200	95	2	19	120	dynamic1.pm02.pleasanton.best.com/204.156.131.65	3469
980505	10:20:49 AM	0	72	0	2	3	209.45.210.189/209.45.210.189	3470
980505	10:26:20 AM	0	21	0	0	2	st227.d50.tazewell.k12.IL.US/207.63.38.227	3471
980505	10:27:37 AM	0	47	0	0	29	st227.d50.tazewell.k12.IL.US/207.63.38.227	3472
980505	10:35:20 AM	400	64	0	8	32	ul407-kiv-pc14.zcu.cz/147.228.63.163	3473
980505	10:37:35 AM	5600	111	14	111	589	ul407-kiv-pc14.zcu.cz/147.228.63.163	3474
980505	10:48:10 AM	0	126	0	0	1	pm3-1-177.htg.net/209.136.26.177	3475
980505	11:02:59 AM	0	3	0	0	0	pg06.mic.ul.ie/136.201.110.184	3476
980505	11:22:02 AM	4250	253	10	57	196	dhcp-204.millermartin.com/209.42.142.204	3477
980505	11:29:16 AM	4350	112	9	51	104	206.30.9.172/206.30.9.172	3478
980505	11:31:47 AM	7950	136	15	130	213	206.30.9.172/206.30.9.172	3479
980505	11:42:54 AM	7100	235	13	148	555	modemcable066.98.mtimi.videotron.net/207.253.98.66	3480
980505	11:43:16 AM	2650	2710	5	29	68	gateway.bookpages.co.uk/194.217.205.17	3481
980505	11:49:02 AM	8000	253	15	230	933	modemcable066.98.mtimi.videotron.net/207.253.98.66	3482
980505	11:54:05 AM	3000	507	5	30	165	gateway.bookpages.co.uk/194.217.205.17	3483
980505	11:54:43 AM	5450	326	12	177	606	modemcable066.98.mtimi.videotron.net/207.253.98.66	3484
980505	11:57:55 AM	1700	214	6	88	150	204.133.199.140/204.133.199.140	3485
980505	12:04:39 PM	0	61	0	0	0	spc-isp-que-uas-01-19.sprint.ca/209.103.30.20	3486
980505	12:21:42 PM	0	20	0	17	31	tvsvp23.televar.com/208.8.147.246	3487
980505	12:42:37 PM	2500	68	6	39	87	mail.unie.cz/195.70.129.180	3488
980505	12:44:41 PM	6150	268	12	131	360	52.new-orleans-01.la.dial-access.att.net/12.65.208.52	3489
980505	12:44:44 PM	4100	104	8	66	427	mail.unie.cz/195.70.129.180	3490
980505	12:55:14 PM	3650	140	10	75	197	crcsadl.tac.net/205.233.109.99	3491
980505	1:10:23 PM	2850	418	8	82	310	st227.d50.tazewell.k12.il.us/207.63.38.227	3492
980505	1:13:40 PM	3550	113	8	78	269	mail.unie.cz/195.70.129.180	3493
980505	1:23:12 PM	0	38	0	0	0	jt.netgroup.dk/195.41.198.105	3494
980505	2:16:12 PM	0	119	0	0	3	st227.d50.tazewell.k12.il.us/207.63.38.227	3495
980505	2:49:07 PM	2300	198	6	85	271	205.152.23.2/205.152.23.2	3496
980505	2:54:16 PM	1450	114	3	26	178	166-149-198.ipt.aol.com/152.166.149.198	3497
980505	2:57:02 PM	3300	151	11	108	479	166-149-198.ipt.aol.com/152.166.149.198	3498
980505	3:24:45 PM	4150	156	11	98	404	gnxa6-ppp170.triton.net/209.172.2.170	3499
980505	3:27:59 PM	6300	179	15	145	668	gnxa6-ppp170.triton.net/209.172.2.170	3500
980505	3:29:03 PM	1750	48	7	69	229	gnxa6-ppp170.triton.net/209.172.2.170	3501
980505	3:31:40 PM	5600	141	9	99	348	gnxa6-ppp170.triton.net/209.172.2.170	3502
980505	3:47:23 PM	4900	239	11	71	487	207.73.99.254/207.73.99.254	3503
980505	3:55:35 PM	10600	473	27	252	1159	207.73.99.254/207.73.99.254	3504
980505	4:04:57 PM	5050	288	10	66	185	s3.pm2.cybrtown.com/208.19.155.61	3505
980505	4:07:24 PM	3800	130	8	48	137	s3.pm2.cybrtown.com/208.19.155.61	3506
980505	4:07:33 PM	0	1	0	0	0	adn-cust26.advdata.net/209.57.91.48	3507
980505	4:08:40 PM	1750	101	5	94	164	lkc-ts2-ip-07.atlantic.net/209.26.53.71	3508
980505	4:10:14 PM	2200	85	6	42	258	lkc-ts2-ip-07.atlantic.net/209.26.53.71	3509
980505	4:13:53 PM	7650	373	16	147	377	s3.pm2.cybrtown.com/208.19.155.61	3510
980505	4:19:22 PM	250	101	0	9	29	207.96.224.212/207.96.224.212	3511
980505	4:20:32 PM	11400	311	26	205	744	cpc204.axion.net/209.17.191.204	3512
980505	4:25:44 PM	0	74	0	0	53	117.detroit-07.mi.dial-access.att.net/12.67.217.117	3513
980505	4:25:45 PM	2350	517	5	45	324	nyc-ny70-51.ix.netcom.com/209.109.226.179	3514
980505	4:29:55 PM	2300	232	5	28	464	117.detroit-07.mi.dial-access.att.net/12.67.217.117	3515
980505	4:38:21 PM	600	76	2	41	122	slip166-72-162-201.ne.us.ibm.net/166.72.162.201	3516
980505	4:41:45 PM	4250	349	7	71	293	198.30.208.139/198.30.208.139	3517
980505	4:44:18 PM	3450	132	8	47	155	198.30.208.139/198.30.208.139	3518
980505	4:49:45 PM	7850	257	16	135	286	hag11.infocom.com/208.196.32.113	3519
980505	4:49:57 PM	9100	341	21	168	490	ppp645.pdn.net/207.226.201.145	3520
980505	4:52:25 PM	6650	146	14	106	189	hag11.infocom.com/208.196.32.113	3521
980505	4:52:54 PM	25050	858	94	525	3998	slip166-72-162-201.ne.us.ibm.net/166.72.162.201	3522
980505	4:53:57 PM	3850	76	6	51	74	hag11.infocom.com/208.196.32.113	3523
980505	4:57:09 PM	7250	173	15	122	184	hag11.infocom.com/208.196.32.113	3524
980505	5:00:58 PM	5150	468	13	74	1219	slip166-72-162-201.ne.us.ibm.net/166.72.162.201	3525
980505	5:04:14 PM	7450	210	15	174	530	modemcable066.98.mtimi.videotron.net/207.253.98.66	3526
980505	5:06:41 PM	5000	106	11	82	147	hag11.infocom.com/208.196.32.113	3527
980505	5:06:46 PM	4250	137	10	110	524	modemcable066.98.mtimi.videotron.net/207.253.98.66	3528
980505	5:11:20 PM	4700	259	9	102	274	modemcable066.98.mtimi.videotron.net/207.253.98.66	3529
980505	5:24:10 PM	6100	363	22	180	946	benden.bio.psu.edu/128.118.180.192	3530
980505	5:29:01 PM	22050	1662	81	462	6294	slip166-72-162-201.ne.us.ibm.net/166.72.162.201	3531
980505	5:31:37 PM	10950	429	37	252	1219	benden.bio.psu.edu/128.118.180.192	3532
980505	5:33:56 PM	1400	103	5	79	237	benden.bio.psu.edu/128.118.180.192	3533
980505	5:39:46 PM	7850	207	16	159	780	modemcable066.98.mtimi.videotron.net/207.253.98.66	3534
980505	5:40:25 PM	4750	372	18	163	2150	benden.bio.psu.edu/128.118.180.192	3535
980505	5:46:01 PM	6850	316	25	199	3116	benden.bio.psu.edu/128.118.180.192	3536
980505	5:46:16 PM	0	4	0	3	7	benden.bio.psu.edu/128.118.180.192	3537
980505	5:54:52 PM	8000	304	20	148	874	mtrs-244ppp230.epix.net/205.238.244.230	3538
980505	6:10:18 PM	1600	112	5	60	91	modeml-19.mo-net.com/206.242.114.79	3539
980505	6:11:23 PM	1200	48	4	51	90	modeml-19.mo-net.com/206.242.114.79	3540
980505	6:13:40 PM	3700	123	9	50	199	modeml-19.mo-net.com/206.242.114.79	3541
980505	6:16:02 PM	3750	123	8	46	132	modeml-19.mo-net.com/206.242.114.79	3542
980505	6:17:46 PM	1850	87	3	19	162	modeml-19.mo-net.com/206.242.114.79	3543
980505	6:19:16 PM	850	85	3	46	92	209.67.72.110/209.67.72.110	3544
980505	6:20:04 PM	1050	32	4	58	87	209.67.72.110/209.67.72.110	3545
980505	6:20:45 PM	2900	166	6	34	301	modeml-19.mo-net.com/206.242.114.79	3546
980505	6:27:01 PM	3150	139	5	33	314	modeml-19.mo-net.com/206.242.114.79	3547
980505	6:32:44 PM	3800	232	7	46	288	198.76.242.183/198.76.242.183	3548
980505	6:38:25 PM	14750	416	42	416	2250	175-147-1.ipt.aol.com/152.175.147.1	3549
980505	6:56:25 PM	50	189	0	3	18	user-2113.fiber.net/204.250.13.113	3550
980505	7:05:33 PM	2300	189	5	56	114	dhack4-065.cybernex.net/207.198.208.65	3551
980505	7:05:59 PM	600	141	1	11	30	dreadnought.cse.nau.edu/134.114.64.90	3552
980505	7:16:14 PM	850	193	3	58	287	slip129-37-92-130.mi.us.ibm.net/129.37.92.130	3553
980505	7:18:25 PM	1350	123	5	78	211	slip129-37-92-130.mi.us.ibm.net/129.37.92.130	3554
980505	7:22:44 PM	4700	158	9	112	388	rbedhcp1.spl.org/209.63.97.197	3555
980505	7:23:46 PM	7400	301	29	170	721	slip129-37-92-130.mi.us.ibm.net/129.37.92.130	3556
980505	7:25:42 PM	7500	212	23	183	723	rbedhcp1.spl.org/209.63.97.197	3557
980505	7:28:14 PM	4600	136	9	56	268	rbedhcp1.spl.org/209.63.97.197	3558
980505	7:29:53 PM	2500	83	4	26	117	rbedhcp1.spl.org/209.63.97.197	3559
980505	7:31:45 PM	3850	95	7	41	139	rbedhcp1.spl.org/209.63.97.197	3560
980505	7:32:46 PM	1650	94	3	43	78	gvl237195.columbus.rr.com/204.210.237.195	3561
980505	7:34:37 PM	6300	157	10	110	290	rbedhcp1.spl.org/209.63.97.197	3562
980505	7:34:58 PM	5750	116	13	131	301	gvl237195.columbus.rr.com/204.210.237.195	3563
980505	7:38:05 PM	1800	95	3	18	38	1Cust110.tnt22.tco2.da.uu.net/153.36.40.110	3564
980505	7:43:34 PM	100	75	0	3	19	MOINT04-8.stlnet.com/209.96.5.8	3565
980505	7:53:57 PM	5050	402	14	104	264	1paz104c.life.Arizona.EDU/150.135.70.245	3566
980505	8:05:11 PM	10450	621	22	344	705	1paz104c.life.Arizona.EDU/150.135.70.245	3567
980505	8:09:28 PM	2650	219	5	32	230	dabcc-03p88.NMSU.Edu/128.123.41.198	3568
980505	8:11:10 PM	2300	87	9	92	225	dabcc-03p88.NMSU.Edu/128.123.41.198	3569
980505	8:12:42 PM	3100	76	12	79	218	dabcc-03p88.NMSU.Edu/128.123.41.198	3570

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980505	8:20:49 PM	29100	910	50	778	1672	lpaz104c.life.Arizona.EDU/150.135.70.245	3571
980505	8:42:04 PM	2450	359	4	31	332	ad113-202.magix.com.eg/165.21.113.202	3572
980505	8:43:14 PM	3150	220	5	47	252	s36.pm1.cybrtown.com/208.19.155.46	3573
980505	8:47:25 PM	50	137	0	1	29	tsftl1-126.gate.net/199.227.148.126	3574
980505	8:48:58 PM	1850	85	7	94	262	tsftl1-126.gate.net/199.227.148.126	3575
980505	8:49:03 PM	8500	324	18	152	508	s36.pm1.cybrtown.com/208.19.155.46	3576
980505	8:53:07 PM	4500	184	9	118	665	tsftl1-126.gate.net/199.227.148.126	3577
980505	9:06:36 PM	3750	56	6	51	93	ppp300.rtp.intrex.net/209.42.198.45	3578
980505	9:09:42 PM	9750	170	17	297	387	ppp300.rtp.intrex.net/209.42.198.45	3579
980505	9:13:10 PM	6900	337	21	136	1139	ts003d14.ind-in.concentric.net/206.173.97.74	3580
980505	9:14:55 PM	2150	277	4	48	289	tc2-20.utah-inter.net/208.14.200.150	3581
980505	9:19:08 PM	9150	254	18	192	676	ts50ip36.cadvision.com/207.228.73.36	3582
980505	9:50:53 PM	8100	264	18	145	253	pool048-max2.ds13-ca-us.dialup.earthlink.net/209.178.15.248	3583
980505	9:57:20 PM	13550	370	24	361	707	pool048-max2.ds13-ca-us.dialup.earthlink.net/209.178.15.248	3584
980505	10:02:46 PM	0	54	0	0	7	bds-public.lib.ci.phoenix.az.us/207.246.36.153	3585
980505	10:04:38 PM	18700	423	32	353	795	pool048-max2.ds13-ca-us.dialup.earthlink.net/209.178.15.248	3586
980505	10:07:11 PM	4650	127	10	64	273	pool048-max2.ds13-ca-us.dialup.earthlink.net/209.178.15.248	3587
980505	10:09:40 PM	5900	122	11	181	256	pool048-max2.ds13-ca-us.dialup.earthlink.net/209.178.15.248	3588
980505	10:18:14 PM	3500	150	8	47	146	74.cleveland-06.oh.dial-access.att.net/12.67.197.74	3589
980505	10:28:55 PM	11350	226	21	228	412	pool048-max2.ds13-ca-us.dialup.earthlink.net/209.178.15.248	3590
980505	10:46:20 PM	4150	126	8	65	241	ppp067-hmvrpa.netrax.net/208.192.148.67	3591
980505	10:54:45 PM	3400	129	8	63	176	user95.netcarrier.com/198.136.226.95	3592
980505	10:57:00 PM	3250	120	5	35	177	user95.netcarrier.com/198.136.226.95	3593
980505	11:03:05 PM	1450	69	2	18	65	BALDRICK.MIT.EDU/18.223.0.26	3594
980505	11:16:20 PM	4700	145	9	66	255	1Qust88.tnt1.beaverton.or.da.uu.net/153.35.201.88	3595
980505	11:21:01 PM	8250	264	22	165	639	1Qust88.tnt1.beaverton.or.da.uu.net/153.35.201.88	3596
980505	11:24:49 PM	1900	205	5	97	237	1Qust88.tnt1.beaverton.or.da.uu.net/153.35.201.88	3597
980506	12:02:10 AM	250	246	0	5	56	206.48.60.116/206.48.60.116	3598
980506	12:03:34 AM	3850	174	8	52	224	se-pub23.library.Arizona.EDU/128.196.102.123	3599
980506	12:54:10 AM	3500	114	6	41	103	ppp018.max4.las-vegas.nv.skylink.net/207.49.176.18	3600
980506	1:40:48 AM	0	55	0	0	25	EVAIGER.haybconet.com/165.97.13.64	3601
980506	1:43:55 AM	2850	171	4	33	154	EVAIGER.haybconet.com/165.97.13.64	3602
980506	6:27:08 AM	6850	196	13	125	291	paris4-2.isdnet.net/194.149.175.129	3603
980506	6:59:06 AM	6550	577	12	168	422	scc41959.dacc.dla.mil/131.74.195.9	3604
980506	8:49:08 AM	0	112	0	0	3	su5-3.ida.liu.se/130.236.186.74	3605
980506	9:57:33 AM	1900	117	4	58	240	sc22.bch.bvwd.k12.co.us/161.97.203.22	3606
980506	10:16:25 AM	10750	379	27	214	600	209.66.196.254/209.66.196.254	3607
980506	10:52:11 AM	0	13	0	0	0	TJBchan.umenfa.maine.edu/130.111.116.59	3608
980506	11:03:00 AM	0	155	0	5	19	1Qust5.tnt2.redmond.wa.da.uu.net/153.37.199.5	3609
980506	11:04:14 AM	100	59	0	2	18	1Qust5.tnt2.redmond.wa.da.uu.net/153.37.199.5	3610
980506	11:05:53 AM	300	75	1	6	16	1Qust5.tnt2.redmond.wa.da.uu.net/153.37.199.5	3611
980506	11:36:54 AM	500	207	2	39	148	168.37.224.65/168.37.224.65	3612
980506	11:38:17 AM	500	64	2	42	116	168.37.224.65/168.37.224.65	3613
980506	11:42:28 AM	8500	231	34	221	534	168.37.224.65/168.37.224.65	3614
980506	11:47:14 AM	2200	271	4	78	471	168.37.224.65/168.37.224.65	3615
980506	11:51:13 AM	4150	219	11	93	332	168.37.224.65/168.37.224.65	3616
980506	11:53:45 AM	0	217	0	33	56	jasper.wlu.ca/192.219.240.90	3617
980506	11:53:51 AM	1500	101	4	58	119	204.234.75.181/204.234.75.181	3618
980506	11:57:00 AM	4150	330	10	113	442	168.37.224.65/168.37.224.65	3619
980506	11:58:46 AM	0	48	0	2	18	205.234.22.160/205.234.22.160	3620
980506	12:31:21 PM	6200	363	19	156	718	KSCYB103-14.splitrock.net/209.156.154.60	3621
980506	12:36:47 PM	10900	366	28	249	836	client-125-14.bellatlantic.net/151.198.125.14	3622
980506	12:44:41 PM	15650	780	31	525	1648	KSCYB103-14.splitrock.net/209.156.154.60	3623
980506	12:50:45 PM	6000	301	14	123	492	KSCYB103-14.splitrock.net/209.156.154.60	3624
980506	1:57:02 PM	0	77	0	0	2	2Qust60.tnt1.phxl.da.uu.net/153.34.27.60	3625
980506	2:34:11 PM	0	118	0	0	1	209.76.80.243/209.76.80.243	3626
980506	2:37:44 PM	1300	93	2	14	107	204.49.240.51/204.49.240.51	3627
980506	3:15:42 PM	1800	181	3	18	57	mac14.ia.utexas.edu/128.83.88.24	3628
980506	4:09:28 PM	0	69	0	0	0	198.30.208.99/198.30.208.99	3629
980506	4:32:50 PM	7900	226	16	131	266	hag2.infocom.com/208.196.32.104	3630
980506	4:36:29 PM	10450	203	17	198	480	hag2.infocom.com/208.196.32.104	3631
980506	4:40:10 PM	8600	196	19	172	371	hag2.infocom.com/208.196.32.104	3632
980506	4:43:27 PM	8600	185	16	171	350	hag2.infocom.com/208.196.32.104	3633
980506	4:46:47 PM	9350	180	17	280	383	hag2.infocom.com/208.196.32.104	3634
980506	4:49:55 PM	9850	175	21	239	489	hag2.infocom.com/208.196.32.104	3635
980506	4:54:39 PM	7000	160	12	142	297	hag2.infocom.com/208.196.32.104	3636
980506	5:09:25 PM	3400	97	6	48	317	modemcable066.98.mtimi.videotron.net/207.253.98.66	3637
980506	5:21:21 PM	3000	258	11	114	383	B02.reach.net/204.50.58.97	3638
980506	5:32:38 PM	3850	184	9	60	193	dt043ndc.maine.rr.com/204.210.91.220	3639
980506	5:38:55 PM	9500	360	22	172	502	dt043ndc.maine.rr.com/204.210.91.220	3640
980506	5:43:51 PM	9050	281	18	178	407	dt043ndc.maine.rr.com/204.210.91.220	3641
980506	5:48:47 PM	8300	279	16	163	411	dt043ndc.maine.rr.com/204.210.91.220	3642
980506	5:55:02 PM	8700	261	15	208	391	dt043ndc.maine.rr.com/204.210.91.220	3643
980506	6:09:01 PM	4450	177	9	55	202	199.106.87.155/199.106.87.155	3644
980506	6:19:26 PM	5250	268	12	69	441	1Qust123.tnt3.seal.da.uu.net/208.253.65.123	3645
980506	6:20:42 PM	3100	180	6	42	89	165.97.13.100/165.97.13.100	3646
980506	6:42:31 PM	5300	325	11	146	312	207.194.178.141/207.194.178.141	3647
980506	6:48:24 PM	8800	373	17	244	794	166-185-138.ipt.aol.com/152.166.185.138	3648
980506	6:58:42 PM	11350	300	20	280	606	166-185-138.ipt.aol.com/152.166.185.138	3649
980506	7:02:03 PM	1450	102	3	18	215	spc-isp-mon-uas-01-27.sprint.ca/209.103.24.28	3650
980506	7:04:59 PM	4350	156	9	52	516	spc-isp-mon-uas-01-27.sprint.ca/209.103.24.28	3651
980506	7:17:01 PM	3400	104	8	82	184	cg-ns1-40.c2i2.com/207.98.161.105	3652
980506	7:17:10 PM	11550	376	21	285	689	pool012-max4.ds19-ca-us.dialup.earthlink.net/209.179.14.12	3653
980506	7:18:09 PM	600	43	1	10	25	pool012-max4.ds19-ca-us.dialup.earthlink.net/209.179.14.12	3654
980506	7:18:59 PM	3700	104	6	73	349	cg-ns1-40.c2i2.com/207.98.161.105	3655
980506	7:21:36 PM	8750	191	19	155	360	pool012-max4.ds19-ca-us.dialup.earthlink.net/209.179.14.12	3656
980506	7:24:00 PM	800	253	2	18	51	207.10.168.52/207.10.168.52	3657
980506	7:31:01 PM	29800	554	52	779	2556	pool012-max4.ds19-ca-us.dialup.earthlink.net/209.179.14.12	3658
980506	7:34:48 PM	0	75	0	0	1	pm14-15.nidlink.com/206.96.75.56	3659
980506	7:35:41 PM	500	44	2	31	86	pm14-15.nidlink.com/206.96.75.56	3660
980506	7:37:42 PM	3150	87	6	54	163	pm14-15.nidlink.com/206.96.75.56	3661
980506	7:41:30 PM	5450	442	21	146	581	207-172-191-86.s22.as1.mkt.erols.com/207.172.191.86	3662
980506	7:45:16 PM	1700	210	5	89	322	207-172-191-86.s22.as1.mkt.erols.com/207.172.191.86	3663
980506	8:04:27 PM	3700	144	9	50	143	12.6.167.177/12.6.167.177	3664
980506	8:06:25 PM	2950	76	6	35	93	12.6.167.177/12.6.167.177	3665
980506	8:08:01 PM	1450	69	3	17	46	12.6.167.177/12.6.167.177	3666
980506	8:09:47 PM	3600	87	6	36	83	12.6.167.177/12.6.167.177	3667
980506	8:13:47 PM	3850	72	7	41	74	12.6.167.177/12.6.167.177	3668
980506	8:16:34 PM	2400	112	4	49	110	224.denver-02.co.dial-access.att.net/12.67.69.224	3669
980506	9:22:22 PM	8350	285	18	249	987	modemcable066.98.mtimi.videotron.net/207.253.98.66	3670
980506	9:24:40 PM	4000	125	8	86	400	modemcable066.98.mtimi.videotron.net/207.253.98.66	3671
980506	9:37:33 PM	0	2	0	0	0	net15-cust140.den.wantweb.net/24.236.15.140	3672
980506	10:28:07 PM	200	418	0	9	25	1Qust25.tnt6.lax3.da.uu.net/153.37.69.25	3673
980506	10:36:39 PM	4700	245	13	138	672	204.222.143.156/204.222.143.156	3674

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980506	10:37:53 PM	2350	64	5	85	162	204.222.143.156/204.222.143.156	3675
980506	10:39:19 PM	2950	69	9	125	362	204.222.143.156/204.222.143.156	3676
980506	10:43:17 PM	0	124	0	0	4	checkers-fddi.cray.com/137.38.235.5	3677
980506	10:43:53 PM	5800	213	13	118	777	204.222.143.156/204.222.143.156	3678
980506	10:48:26 PM	6200	226	15	122	533	ts7-16.frd.cyberhighway.net/209.161.34.180	3679
980506	10:57:05 PM	1200	206	2	15	52	3Cust134.tnt1.phd1.da.uu.net/153.34.215.134	3680
980506	10:59:44 PM	350	107	0	7	68	3Cust134.tnt1.phd1.da.uu.net/153.34.215.134	3681
980506	11:02:01 PM	1650	120	5	101	581	3Cust134.tnt1.phd1.da.uu.net/153.34.215.134	3682
980506	11:09:36 PM	1150	93	3	75	137	dd47-172.dub.compuserve.com/199.174.179.172	3683
980507	2:10:36 AM	3350	109	5	41	154	193.14.53.10/193.14.53.10	3684
980507	2:12:35 AM	2900	105	6	34	159	193.14.53.10/193.14.53.10	3685
980507	6:41:21 AM	2400	120	4	25	79	dhcp-892195149.qualcomm.com/129.46.238.194	3686
980507	8:22:26 AM	1800	138	4	85	110	wa103.ini.cz/195.212.195.103	3687
980507	11:36:34 AM	0	167	0	3	11	198.234.86.182/198.234.86.182	3688
980507	11:36:35 AM	10300	192	23	225	416	207.157.48.194/207.157.48.194	3689
980507	11:36:36 AM	4550	231	18	153	540	168.221.114.154/168.221.114.154	3690
980507	11:36:37 AM	2800	117	8	82	248	169.244.152.67/169.244.152.67	3691
980507	11:36:37 AM	0	19	0	0	1	bodine.cobite.com/207.142.136.102	3692
980507	11:36:38 AM	4350	201	14	143	519	168.221.114.154/168.221.114.154	3693
980507	11:36:39 AM	6250	484	18	106	711	cxl1539-a.cv1.sdca.home.com/24.0.137.107	3694
980507	11:36:39 AM	900	118	1	13	57	vikings.ttc.lv/159.148.220.11	3695
980507	11:36:40 AM	600	41	1	6	7	206.30.9.204/206.30.9.204	3696
980507	11:36:41 AM	6250	291	18	129	1239	152.111.35.141/152.111.35.141	3697
980507	11:36:42 AM	8300	304	26	204	1955	152.111.35.141/152.111.35.141	3698
980507	11:36:42 AM	0	71	0	0	20	white02.nada.kth.se/130.237.226.124	3699
980507	11:36:43 AM	11950	334	31	269	1609	152.111.35.141/152.111.35.141	3700
980507	11:36:44 AM	50	25	0	1	18	dhcp12.dacapo.se/193.44.160.42	3701
980507	11:50:40 AM	4300	168	10	91	375	207.232.193.154/207.232.193.154	3702
980507	11:50:41 AM	3600	177	6	44	326	gorgon.cs.tu-berlin.de/130.149.31.106	3703
980507	11:50:42 AM	8800	239	18	209	724	207.232.193.154/207.232.193.154	3704
980507	12:20:12 PM	4250	145	11	98	187	159.164.201.74/159.164.201.74	3705
980507	12:23:09 PM	4650	156	13	86	211	159.164.201.74/159.164.201.74	3706
980507	12:38:04 PM	100	62	0	7	12	208.224.45.50/208.224.45.50	3707
980507	12:39:15 PM	0	58	0	4	5	208.224.45.50/208.224.45.50	3708
980507	12:41:10 PM	50	96	0	5	25	208.224.45.50/208.224.45.50	3709
980507	12:49:44 PM	1050	78	4	38	122	spk2-13.ipeg.com/206.96.95.161	3710
980507	12:54:52 PM	3050	119	5	36	161	169.244.152.67/169.244.152.67	3711
980507	12:56:02 PM	50	50	0	1	10	franklin18.franklin.com/204.249.48.18	3712
980507	1:03:17 PM	0	139	0	2	47	calzone.stardiv.de/62.156.160.60	3713
980507	1:23:54 PM	850	72	3	44	69	208.198.210.126/208.198.210.126	3714
980507	1:39:26 PM	4500	162	11	64	135	will-25s.citynet.net/207.0.254.85	3715
980507	1:46:46 PM	10100	276	25	239	896	208.144.248.13/208.144.248.13	3716
980507	1:50:33 PM	10500	297	18	272	774	205.152.23.2/205.152.23.2	3717
980507	1:53:16 PM	2000	118	6	109	244	205.152.23.2/205.152.23.2	3718
980507	1:58:39 PM	7500	235	21	223	561	205.152.23.2/205.152.23.2	3719
980507	2:08:46 PM	16100	470	31	416	1227	205.152.23.2/205.152.23.2	3720
980507	2:10:46 PM	4050	274	9	91	178	ppp-207-193-1-185.kscymo.swbell.net/207.193.1.185	3721
980507	2:10:47 PM	1050	72	3	57	104	205.152.23.2/205.152.23.2	3722
980507	2:34:08 PM	2950	114	6	35	76	ts1-16.she.cyberhighway.net/209.161.50.22	3723
980507	2:36:26 PM	4450	117	9	54	179	ts1-16.she.cyberhighway.net/209.161.50.22	3724
980507	2:42:18 PM	1200	800	2	12	54	unknown-35-6.nwhse.com/206.189.35.6	3725
980507	3:16:26 PM	6250	187	14	111	300	198.163.125.224/198.163.125.224	3726
980507	3:19:42 PM	4500	130	8	56	385	198.163.125.223/198.163.125.223	3727
980507	3:22:06 PM	4100	128	12	91	316	198.163.125.223/198.163.125.223	3728
980507	3:39:04 PM	0	105	0	3	66	207.203.196.86/207.203.196.86	3729
980507	3:45:02 PM	1600	252	3	29	92	166.34.97.123/166.34.97.123	3730
980507	3:58:05 PM	0	64	0	0	1	mrjava.media.mit.edu/18.85.1.12	3731
980507	4:05:57 PM	1300	114	1	20	108	ppp114.uio.no/129.240.240.119	3732
980507	4:18:44 PM	0	135	0	2	20	205.213.93.2/205.213.93.2	3733
980507	4:20:08 PM	3250	435	13	133	2220	49.new-york-26.ny.dial-access.att.net/12.68.191.49	3734
980507	4:20:09 PM	350	111	0	7	56	147.133.43.120/147.133.43.120	3735
980507	5:13:02 PM	4100	211	8	58	228	tc1-73.utah-inter.net/208.14.200.83	3736
980507	5:14:35 PM	0	1	0	0	0	rc-136.netonecom.net/207.142.161.136	3737
980507	5:24:21 PM	3550	165	5	92	168	149.127.131.243/149.127.131.243	3738
980507	5:43:37 PM	10650	421	25	328	1302	mtrs-244ppp219.epix.net/205.238.244.219	3739
980507	5:54:55 PM	23100	658	55	689	2118	mtrs-244ppp219.epix.net/205.238.244.219	3740
980507	5:55:54 PM	5100	139	13	140	296	jtrobinson.ne.mediacne.net/24.128.64.245	3741
980507	6:01:26 PM	0	4	0	0	0	199.79.138.175/199.79.138.175	3742
980507	6:01:28 PM	9900	318	22	188	771	jtrobinson.ne.mediacne.net/24.128.64.245	3743
980507	6:01:33 PM	8700	378	26	241	1411	mtrs-244ppp219.epix.net/205.238.244.219	3744
980507	6:06:36 PM	600	109	2	15	54	ocal-pm3-19.mfi.net/205.161.238.96	3745
980507	6:09:58 PM	4700	184	9	77	279	ocal-pm3-19.mfi.net/205.161.238.96	3746
980507	6:10:13 PM	11500	277	27	279	717	jtrobinson.ne.mediacne.net/24.128.64.245	3747
980507	6:13:08 PM	4900	175	11	88	285	ocal-pm3-19.mfi.net/205.161.238.96	3748
980507	6:15:32 PM	2900	179	9	117	481	modem7-73.mo-net.com/206.242.114.133	3749
980507	6:16:26 PM	3700	183	7	46	370	ocal-pm3-19.mfi.net/205.161.238.96	3750
980507	6:17:09 PM	1750	82	7	73	328	modem7-73.mo-net.com/206.242.114.133	3751
980507	6:19:14 PM	2750	107	11	72	565	modem7-73.mo-net.com/206.242.114.133	3752
980507	6:20:21 PM	1350	50	5	61	203	modem7-73.mo-net.com/206.242.114.133	3753
980507	6:21:40 PM	950	62	3	70	134	modem7-73.mo-net.com/206.242.114.133	3754
980507	6:25:01 PM	6450	185	11	109	529	modem7-73.mo-net.com/206.242.114.133	3755
980507	6:26:33 PM	2600	75	4	28	239	modem7-73.mo-net.com/206.242.114.133	3756
980507	6:33:59 PM	1850	97	4	25	151	208.204.46.20/208.204.46.20	3757
980507	6:37:49 PM	5350	199	13	95	430	208.204.46.20/208.204.46.20	3758
980507	6:42:59 PM	4100	112	8	64	119	calder.umnu.umich.edu/141.213.34.105	3759
980507	6:47:14 PM	3000	98	5	50	116	calder.umnu.umich.edu/141.213.34.105	3760
980507	6:47:38 PM	3200	303	7	66	357	206.14.7.105/206.14.7.105	3761
980507	6:50:26 PM	12600	403	35	337	1406	171-144-211.ipt.aol.com/152.171.144.211	3762
980507	6:52:09 PM	8350	198	16	161	270	calder.umnu.umich.edu/141.213.34.105	3763
980507	7:00:02 PM	2650	290	5	68	242	calder.umnu.umich.edu/141.213.34.105	3764
980507	7:10:40 PM	3850	156	6	42	149	pc612.shor.kcls.org/198.104.21.22	3765
980507	7:12:55 PM	3550	119	7	41	144	pc612.shor.kcls.org/198.104.21.22	3766
980507	7:16:17 PM	0	95	0	10	16	ppp78.wingeisp.com/207.142.108.78	3767
980507	7:22:53 PM	3000	78	6	46	92	10.denver-01.co.dial-access.att.net/12.67.68.10	3768
980507	7:29:21 PM	650	46	2	31	42	slip166-72-219-153.ny.us.ibm.net/166.72.219.153	3769
980507	7:31:59 PM	2250	131	4	34	198	slip166-72-219-153.ny.us.ibm.net/166.72.219.153	3770
980507	7:54:48 PM	250	56	1	22	64	gv1237195.columbus.rr.com/204.210.237.195	3771
980507	8:00:20 PM	3550	217	7	41	243	dabcc-03p88.NMSU.Edu/128.123.41.198	3772
980507	8:02:36 PM	4050	547	11	115	878	166-156-227.ipt.aol.com/152.166.156.227	3773
980507	8:14:47 PM	0	36	0	37	45	atl-ga57-34.ix.netcom.com/207.223.188.98	3774
980507	8:16:51 PM	2450	107	4	27	106	atl-ga57-34.ix.netcom.com/207.223.188.98	3775
980507	8:19:59 PM	700	219	2	82	146	rvl-mdl-01.ix.netcom.com/205.187.208.33	3776
980507	8:22:02 PM	2750	108	11	108	198	rvl-mdl-01.ix.netcom.com/205.187.208.33	3777
980507	8:22:03 PM	6650	297	14	123	543	atl-ga57-34.ix.netcom.com/207.223.188.98	3778

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980507	8:24:14 PM	3600	111	6	53	155	Extension-131B.CSS.ORST.EDU/128.193.102.154	3779
980507	8:24:16 PM	1200	120	4	77	136	rvl-md1-01.ix.netcom.com/205.187.208.33	3780
980507	8:26:07 PM	1700	87	4	24	59	rvl-md1-01.ix.netcom.com/205.187.208.33	3781
980507	8:26:23 PM	3500	128	14	110	410	mrjava.media.mit.edu/18.85.1.12	3782
980507	8:26:45 PM	4750	136	9	76	345	Extension-131B.CSS.ORST.EDU/128.193.102.154	3783
980507	8:27:39 PM	0	44	0	0	2	mrjava.media.mit.edu/18.85.1.12	3784
980507	8:29:24 PM	6950	141	12	112	267	Extension-131B.CSS.ORST.EDU/128.193.102.154	3785
980507	8:41:24 PM	8400	141	13	220	474	10ust181.tnt3.mnassas.va.da.uu.net/208.252.85.181	3786
980507	8:42:31 PM	0	93	0	0	0	ct7-15.gtm.net/206.53.233.107	3787
980507	9:03:30 PM	2400	346	6	107	779	118.philadelphia-05.pa.dial-access.att.net/12.68.111.118	3788
980507	9:05:52 PM	13300	473	34	401	1384	modemcable066.98.mtimi.videotron.net/207.253.98.66	3789
980507	9:07:31 PM	2500	84	10	118	449	modemcable066.98.mtimi.videotron.net/207.253.98.66	3790
980507	9:13:12 PM	9350	324	22	241	1128	modemcable066.98.mtimi.videotron.net/207.253.98.66	3791
980507	9:33:43 PM	4250	465	10	96	676	sc6.vicon.net/208.223.80.15	3792
980507	9:36:05 PM	650	130	1	14	304	sc6.vicon.net/208.223.80.15	3793
980507	9:46:33 PM	3250	113	7	45	113	ppp208.moscow.com/207.141.26.208	3794
980507	9:50:13 PM	4450	126	8	91	131	12.6.167.172/12.6.167.172	3795
980507	9:51:43 PM	8700	293	14	231	459	ppp208.moscow.com/207.141.26.208	3796
980507	9:52:28 PM	5650	119	10	97	163	12.6.167.172/12.6.167.172	3797
980507	10:21:05 PM	1000	138	1	14	62	12.4.248.230/12.4.248.230	3798
980507	10:34:07 PM	8900	697	34	240	3950	bob11.olywa.net/205.163.58.211	3799
980507	11:03:55 PM	2500	134	10	72	155	van-bc8-08.netcom.ca/207.181.73.136	3800
980507	11:59:12 PM	2500	140	7	89	232	205.152.23.2/205.152.23.2	3801
980508	12:32:57 AM	6850	338	11	170	294	205.152.23.2/205.152.23.2	3802
980508	8:43:54 AM	3300	234	7	42	556	207.125.48.234/207.125.48.234	3803
980508	8:43:55 AM	0	4	0	0	5	207.125.48.234/207.125.48.234	3804
980508	8:43:56 AM	2500	94	10	116	295	207.125.48.234/207.125.48.234	3805
980508	8:43:57 AM	500	20	2	71	106	209.160.99.16/209.160.99.16	3806
980508	8:44:38 AM	8650	77	14	255	600	209.160.99.16/209.160.99.16	3807
980508	9:41:53 AM	10250	207	27	226	709	199.252.50.239/199.252.50.239	3808
980508	9:59:37 AM	650	95	1	7	30	dfbf14-10.gate.net/199.227.117.10	3809
980508	10:04:55 AM	4400	310	9	52	309	dfbf14-10.gate.net/199.227.117.10	3810
980508	10:06:00 AM	5200	135	12	76	244	jazz.evc.kl2.nf.ca/205.251.11.14	3811
980508	10:06:28 AM	2150	73	8	71	136	dfbf14-10.gate.net/199.227.117.10	3812
980508	10:10:16 AM	8000	377	17	158	488	160.7.64.167/160.7.64.167	3813
980508	10:31:48 AM	10050	403	26	214	1338	ppp-40.madera-01.madnet.net/206.190.157.140	3814
980508	10:39:01 AM	5850	277	14	94	452	dialup020.intertek.net/209.83.158.26	3815
980508	10:43:21 AM	5050	210	11	82	392	10ust147.tnt1.redmond2.wa.da.uu.net/208.250.243.147	3816
980508	10:56:46 AM	950	61	3	42	77	at06.tetranetsoftware.com/206.248.25.23	3817
980508	10:58:11 AM	2650	94	4	30	103	209.1.11.34/209.1.11.34	3818
980508	10:58:24 AM	0	4	0	0	1	209.1.11.34/209.1.11.34	3819
980508	10:59:21 AM	1250	41	5	67	125	209.1.11.34/209.1.11.34	3820
980508	10:59:35 AM	0	4	0	0	14	209.1.11.34/209.1.11.34	3821
980508	11:16:52 AM	0	21	0	0	1	93.freemarket.com/206.210.69.93	3822
980508	11:17:35 AM	5200	167	11	107	439	207.232.193.204/207.232.193.204	3823
980508	11:21:03 AM	8150	191	15	137	465	207.232.193.204/207.232.193.204	3824
980508	11:24:32 AM	8600	193	17	157	519	207.232.193.204/207.232.193.204	3825
980508	11:26:20 AM	2100	92	7	110	366	207.232.193.204/207.232.193.204	3826
980508	11:28:42 AM	5050	123	12	89	534	207.232.193.204/207.232.193.204	3827
980508	11:43:00 AM	0	83	0	3	122	168.37.224.71/168.37.224.71	3828
980508	11:49:36 AM	4200	381	11	96	661	168.37.224.71/168.37.224.71	3829
980508	11:53:04 AM	0	118	0	0	18	209.49.193.129/209.49.193.129	3830
980508	12:34:26 PM	6350	359	24	178	929	scc22645.dscc.dla.mil/131.74.226.45	3831
980508	12:39:23 PM	1700	126	5	95	201	198.234.86.135/198.234.86.135	3832
980508	12:44:11 PM	3400	271	6	100	437	198.234.86.135/198.234.86.135	3833
980508	12:47:05 PM	2050	67	3	24	60	207.127.134.90/207.127.134.90	3834
980508	12:49:03 PM	4700	103	10	58	124	207.127.134.90/207.127.134.90	3835
980508	1:01:23 PM	15950	590	38	460	1429	198.234.86.135/198.234.86.135	3836
980508	1:03:43 PM	8700	391	16	360	790	198.234.86.189/198.234.86.189	3837
980508	1:17:14 PM	450	366	1	33	1230	du66-6.ppp.algonet.se/195.100.6.66	3838
980508	1:23:49 PM	6200	2059	16	170	529	207.248.185.80/207.248.185.80	3839
980508	1:26:50 PM	9250	165	20	222	418	207.248.185.80/207.248.185.80	3840
980508	1:30:22 PM	3050	145	8	69	247	166-232-172.ipt.aol.com/152.166.232.172	3841
980508	1:35:17 PM	8450	277	19	183	541	166-232-172.ipt.aol.com/152.166.232.172	3842
980508	1:42:14 PM	0	152	0	0	5	140.189.127.43/140.189.127.43	3843
980508	1:42:45 PM	50	45	0	23	57	aphrodite-137.dialin.greenepa.net/206.205.118.137	3844
980508	1:47:56 PM	3900	294	11	86	796	aphrodite-137.dialin.greenepa.net/206.205.118.137	3845
980508	1:51:54 PM	2650	217	5	36	675	aphrodite-137.dialin.greenepa.net/206.205.118.137	3846
980508	1:53:02 PM	0	46	0	0	4	aphrodite-137.dialin.greenepa.net/206.205.118.137	3847
980508	2:17:37 PM	750	44	3	48	61	kipa3pp32.alltel.net/166.102.116.97	3848
980508	2:20:06 PM	5350	134	17	157	416	kipa3pp32.alltel.net/166.102.116.97	3849
980508	2:22:05 PM	7350	161	14	159	352	pg05.mic.ul.ie/136.201.110.183	3850
980508	2:35:53 PM	3600	106	7	47	190	pc248-037.ich.ucl.ac.uk/194.82.248.37	3851
980508	2:45:05 PM	650	177	2	48	78	host-209-214-2-97.mia.bellsouth.net/209.214.2.97	3852
980508	2:46:18 PM	7750	294	19	204	588	205.152.23.2/205.152.23.2	3853
980508	2:55:05 PM	19400	509	31	456	954	205.152.23.2/205.152.23.2	3854
980508	2:55:06 PM	7550	446	15	136	507	tc2-117.utah-inter.net/208.14.200.247	3855
980508	3:06:58 PM	2650	150	7	100	261	170.181.182.130/170.181.182.130	3856
980508	3:09:11 PM	49650	1433	197	1038	4006	host-209-214-2-97.mia.bellsouth.net/209.214.2.97	3857
980508	3:11:30 PM	1800	225	3	20	228	h212.s245.ts.hinet.net/168.95.245.212	3858
980508	3:17:35 PM	8150	480	22	152	622	host-209-214-2-97.mia.bellsouth.net/209.214.2.97	3859
980508	3:22:27 PM	6000	270	11	103	403	host-209-214-2-97.mia.bellsouth.net/209.214.2.97	3860
980508	3:34:11 PM	0	8	0	0	0	vocstu09.marissa40.org/205.216.223.170	3861
980508	3:48:59 PM	1800	493	5	73	156	vocstu17.marissa40.org/205.216.223.178	3862
980508	3:57:51 PM	100	93	0	3	11	sgva-23.ucsd.edu/132.239.126.229	3863
980508	4:07:21 PM	13500	372	33	498	1646	172-171-168.ipt.aol.com/152.172.171.168	3864
980508	4:26:02 PM	2650	127	6	88	232	207.96.161.196/207.96.161.196	3865
980508	4:43:14 PM	3900	200	8	50	356	204.216.87.202/204.216.87.202	3866
980508	4:48:27 PM	1300	47	5	68	123	ip137.rutland2.vt.pub-ip.psi.net/38.26.145.137	3867
980508	4:54:51 PM	2700	296	5	54	231	host-209-214-78-2.atl-n.bellsouth.net/209.214.78.2	3868
980508	5:01:05 PM	5050	341	14	103	337	host-209-214-78-2.atl-n.bellsouth.net/209.214.78.2	3869
980508	5:01:55 PM	250	141	0	5	247	207.113.243.102/207.113.243.102	3870
980508	5:14:29 PM	3950	253	8	65	344	host-209-214-78-2.atl-n.bellsouth.net/209.214.78.2	3871
980508	5:15:23 PM	5700	325	13	208	640	vet-aff.cub.wsu.edu/134.121.188.50	3872
980508	5:17:44 PM	2900	121	6	37	140	207.203.171.29/207.203.171.29	3873
980508	5:18:33 PM	9850	407	25	211	813	cx53227-a.elcjnl.sdca.home.com/24.4.69.34	3874
980508	5:19:08 PM	2100	263	4	24	277	host-209-214-78-2.atl-n.bellsouth.net/209.214.78.2	3875
980508	5:20:11 PM	3550	132	8	48	238	207.203.171.29/207.203.171.29	3876
980508	5:21:48 PM	1200	78	2	12	77	207.203.171.29/207.203.171.29	3877
980508	5:22:58 PM	1100	88	3	52	105	206.210.132.68/206.210.132.68	3878
980508	5:23:15 PM	3650	155	9	51	320	pm3a26.ben.sover.net/206.25.65.216	3879
980508	5:25:23 PM	4350	101	9	81	256	pm3a26.ben.sover.net/206.25.65.216	3880
980508	5:27:25 PM	5150	106	12	86	235	pm3a26.ben.sover.net/206.25.65.216	3881
980508	5:30:40 PM	5400	144	15	242	491	206.232.107.94/206.232.107.94	3882

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980508	5:32:23 PM	3500	66	6	154	244	206.232.107.94/206.232.107.94	3883
980508	5:41:28 PM	0	59	0	0	4	dido-21.mdm.eau.execpc.com/169.207.98.150	3884
980508	5:47:58 PM	10050	1322	33	219	884	usr-401-5-39.ISD.net/208.238.143.39	3885
980508	5:52:32 PM	0	50	0	0	1	clelport1.penn.com/206.229.114.11	3886
980508	5:53:30 PM	8950	213	19	226	1312	sp8.math.umn.edu/160.94.6.136	3887
980508	5:57:19 PM	13500	214	22	407	1306	sp8.math.umn.edu/160.94.6.136	3888
980508	5:58:09 PM	8000	323	32	222	1299	clelport1.penn.com/206.229.114.11	3889
980508	5:59:23 PM	5350	109	11	96	501	sp8.math.umn.edu/160.94.6.136	3890
980508	6:02:10 PM	9200	152	15	273	838	sp8.math.umn.edu/160.94.6.136	3891
980508	6:03:04 PM	9700	895	33	239	1116	usr-401-5-39.ISD.net/208.238.143.39	3892
980508	6:06:14 PM	11350	229	19	359	1212	sp8.math.umn.edu/160.94.6.136	3893
980508	6:07:07 PM	1450	38	3	34	153	sp8.math.umn.edu/160.94.6.136	3894
980508	6:39:40 PM	7750	181	15	150	429	ad50-126.arl.compuserve.com/199.174.167.126	3895
980508	7:04:46 PM	3750	143	8	57	88	aus-tx25-17.ix.netcom.com/207.221.69.81	3896
980508	7:06:41 PM	3850	106	7	50	115	aus-tx25-17.ix.netcom.com/207.221.69.81	3897
980508	7:09:47 PM	6200	169	12	121	271	aus-tx25-17.ix.netcom.com/207.221.69.81	3898
980508	7:12:05 PM	3950	225	9	73	189	calliandra.spry.com/198.185.1.170	3899
980508	7:12:23 PM	5200	139	11	162	308	aus-tx25-17.ix.netcom.com/207.221.69.81	3900
980508	7:12:35 PM	3150	101	7	67	115	spc-isp-tor-uas-03-12.sprint.ca/209.5.16.113	3901
980508	7:17:49 PM	0	135	0	0	17	198.30.208.19/198.30.208.19	3902
980508	7:19:24 PM	3050	94	6	71	185	208.11.193.161/208.11.193.161	3903
980508	7:30:19 PM	6600	257	18	144	1593	185.san-francisco-13.ca.dial-access.att.net/12.64.160.185	3904
980508	7:30:46 PM	4200	175	9	107	600	mach-21.truelink.net/207.155.71.135	3905
980508	7:32:41 PM	2400	153	4	27	51	h-207-1-145-42.netscape.com/207.1.145.42	3906
980508	7:33:16 PM	1750	141	7	81	208	166.41.204.252/166.41.204.252	3907
980508	7:34:10 PM	5550	188	11	94	650	mach-21.truelink.net/207.155.71.135	3908
980508	7:35:38 PM	10250	304	25	285	1452	185.san-francisco-13.ca.dial-access.att.net/12.64.160.185	3909
980508	7:41:44 PM	0	91	0	0	1	brost.lib.buffalo.edu/128.205.191.27	3910
980508	7:44:37 PM	3500	91	7	58	314	ad36-229.arl.compuserve.com/199.174.139.229	3911
980508	7:46:21 PM	25000	628	56	774	3475	185.san-francisco-13.ca.dial-access.att.net/12.64.160.185	3912
980508	7:52:42 PM	750	159	1	18	83	dl2.5200-1.plantnet.com/208.141.196.112	3913
980508	7:54:58 PM	850	100	2	45	178	ingrid.schrodinger.com/206.231.140.228	3914
980508	8:06:39 PM	1800	451	3	42	462	ingrid.schrodinger.com/206.231.140.228	3915
980508	8:13:26 PM	750	199	3	105	124	Riverview41.tbaytel.net/204.101.55.105	3916
980508	8:14:49 PM	1350	75	4	89	305	Riverview41.tbaytel.net/204.101.55.105	3917
980508	8:17:52 PM	10650	167	22	297	861	Riverview41.tbaytel.net/204.101.55.105	3918
980508	8:18:45 PM	3750	36	5	86	129	Riverview41.tbaytel.net/204.101.55.105	3919
980508	8:21:49 PM	9450	167	17	309	694	Riverview41.tbaytel.net/204.101.55.105	3920
980508	8:21:51 PM	4250	246	13	123	505	pm1-01.sd22.bc.ca/206.12.33.211	3921
980508	8:23:18 PM	2900	848	6	34	605	ingrid.schrodinger.com/206.231.140.228	3922
980508	8:24:36 PM	0	90	0	0	31	usr30-dialup19.mix2.Atlanta.mci.net/166.55.58.83	3923
980508	8:25:31 PM	10850	417	23	401	1716	spc-isp-van-uas-26-44.sprint.ca/209.103.5.45	3924
980508	8:25:56 PM	5900	140	7	128	497	mon-pq6-26.netcom.ca/207.181.92.218	3925
980508	8:27:50 PM	8950	102	15	164	389	mon-pq6-26.netcom.ca/207.181.92.218	3926
980508	8:35:08 PM	25300	234	48	596	1446	spc-isp-van-uas-26-44.sprint.ca/209.103.5.45	3927
980508	8:35:17 PM	1050	48	2	15	48	ti21a31-0011.dialup.online.no/130.67.193.203	3928
980508	8:39:05 PM	4750	205	13	88	267	ti21a31-0011.dialup.online.no/130.67.193.203	3929
980508	8:46:20 PM	5250	226	12	126	399	dd06-080.dub.compuserve.com/199.174.148.80	3930
980508	8:48:48 PM	2800	89	5	32	80	ip26.van1.pacifier.com/206.163.4.26	3931
980508	8:49:51 PM	4150	59	7	98	153	ci85061-a.nash1.tn.home.com/24.2.97.219	3932
980508	8:50:40 PM	50	39	0	3	13	usm-37-97.wans.net/208.205.37.113	3933
980508	8:50:49 PM	3600	41	4	76	105	ci85061-a.nash1.tn.home.com/24.2.97.219	3934
980508	8:50:59 PM	2500	116	4	26	83	ip26.van1.pacifier.com/206.163.4.26	3935
980508	8:52:12 PM	1900	58	2	61	123	ci85061-a.nash1.tn.home.com/24.2.97.219	3936
980508	8:52:39 PM	0	9	0	20	22	ci85061-a.nash1.tn.home.com/24.2.97.219	3937
980508	8:54:02 PM	200	90	0	50	64	usm-37-97.wans.net/208.205.37.113	3938
980508	8:54:54 PM	50	35	0	38	38	usm-37-97.wans.net/208.205.37.113	3939
980508	8:56:10 PM	2400	198	4	26	55	dial217.abacom.com/207.253.161.77	3940
980508	8:56:36 PM	0	72	0	0	2	usr23-dialup2.mix1.Sacramento.mci.net/166.55.8.130	3941
980508	8:58:15 PM	3800	421	7	47	1268	ip26.van1.pacifier.com/206.163.4.26	3942
980508	9:00:24 PM	4350	247	9	58	349	dial217.abacom.com/207.253.161.77	3943
980508	9:01:40 PM	38150	526	61	582	1352	ci85061-a.nash1.tn.home.com/24.2.97.219	3944
980508	9:02:22 PM	3050	99	5	31	164	dial217.abacom.com/207.253.161.77	3945
980508	9:03:03 PM	6050	273	16	111	894	ip26.van1.pacifier.com/206.163.4.26	3946
980508	9:05:11 PM	2500	109	4	26	122	ip26.van1.pacifier.com/206.163.4.26	3947
980508	9:06:13 PM	1800	136	3	25	64	74.san-francisco-11.ca.dial-access.att.net/12.64.125.74	3948
980508	9:12:28 PM	9400	422	22	202	1022	ip26.van1.pacifier.com/206.163.4.26	3949
980508	9:13:02 PM	6100	392	16	194	687	74.san-francisco-11.ca.dial-access.att.net/12.64.125.74	3950
980508	9:16:17 PM	6700	190	10	232	289	adu69.str.ptd.net/204.186.6.69	3951
980508	9:17:04 PM	250	56	0	5	8	pm3a26.ben.sover.net/206.25.65.216	3952
980508	9:17:47 PM	10200	471	24	265	1071	221.san-francisco-13.ca.dial-access.att.net/12.64.160.221	3953
980508	9:22:47 PM	8650	284	19	219	855	221.san-francisco-13.ca.dial-access.att.net/12.64.160.221	3954
980508	9:28:12 PM	3500	125	9	71	129	sac-ca6-13.ix.netcom.com/198.211.110.205	3955
980508	9:28:25 PM	15750	320	27	586	1184	221.san-francisco-13.ca.dial-access.att.net/12.64.160.221	3956
980508	9:37:40 PM	2950	105	9	95	203	1Cust48.max6.washington.dc.ms.uu.net/153.34.51.176	3957
980508	9:40:24 PM	1800	110	3	20	44	van-bc12-25.netcom.ca/207.181.74.153	3958
980508	9:42:37 PM	3750	116	6	49	102	van-bc12-25.netcom.ca/207.181.74.153	3959
980508	9:50:48 PM	450	54	1	45	99	usm-43-28.wans.net/208.205.43.44	3960
980508	9:52:56 PM	1200	111	2	49	230	usm-43-28.wans.net/208.205.43.44	3961
980508	9:55:39 PM	9200	248	22	210	601	1Cust199.tnt1.orl1.da.uu.net/208.250.77.199	3962
980508	9:59:51 PM	9950	187	20	291	518	1Cust199.tnt1.orl1.da.uu.net/208.250.77.199	3963
980508	10:02:23 PM	3850	177	7	44	140	user-381d0gk.dialup.mindspring.com/209.86.130.20	3964
980508	10:03:08 PM	4200	164	9	99	340	wnst00-sh2-port113.snet.net/204.60.37.113	3965
980508	10:04:54 PM	4050	132	10	61	173	user-381d0gk.dialup.mindspring.com/209.86.130.20	3966
980508	10:04:55 PM	2600	84	8	100	234	wnst00-sh2-port113.snet.net/204.60.37.113	3967
980508	10:08:14 PM	4200	157	7	91	255	wnst00-sh2-port113.snet.net/204.60.37.113	3968
980508	10:08:18 PM	4500	142	9	66	258	128.lexington-01.ky.dial-access.att.net/12.66.70.128	3969
980508	10:08:41 PM	1850	227	6	52	244	66.houston-03.tx.dial-access.att.net/12.65.130.66	3970
980508	10:09:29 PM	3200	59	5	35	174	wnst00-sh2-port113.snet.net/204.60.37.113	3971
980508	10:10:03 PM	2800	136	5	43	108	kit-on1-39.netcom.ca/207.181.77.103	3972
980508	10:10:22 PM	3750	107	7	49	206	128.lexington-01.ky.dial-access.att.net/12.66.70.128	3973
980508	10:11:46 PM	5200	123	12	93	271	wnst00-sh2-port113.snet.net/204.60.37.113	3974
980508	10:13:50 PM	5650	289	17	145	398	66.houston-03.tx.dial-access.att.net/12.65.130.66	3975
980508	10:14:38 PM	7150	156	13	187	328	wnst00-sh2-port113.snet.net/204.60.37.113	3976
980508	10:15:28 PM	18550	261	33	316	742	ci85061-a.nash1.tn.home.com/24.2.97.219	3977
980508	10:19:38 PM	20250	238	32	329	622	ci85061-a.nash1.tn.home.com/24.2.97.219	3978
980508	10:20:28 PM	11700	354	27	380	1928	eknapp.housing.res.kent.edu/131.123.48.233	3979
980508	10:21:42 PM	4050	163	10	117	248	user-381d44j.dialup.mindspring.com/209.86.144.147	3980
980508	10:23:38 PM	3850	801	14	122	1229	kit-on1-39.netcom.ca/207.181.77.103	3981
980508	10:24:49 PM	850	75	3	44	68	nic-c09-041.mw.mediaone.net/24.131.9.41	3982
980508	10:25:03 PM	0	4	0	0	4	nic-c09-041.mw.mediaone.net/24.131.9.41	3983
980508	10:26:33 PM	6000	141	24	169	315	kit-on1-39.netcom.ca/207.181.77.103	3984
980508	10:27:10 PM	2550	110	4	45	235	nic-c09-041.mw.mediaone.net/24.131.9.41	3985
980508	10:32:49 PM	900	150	1	12	81	doy1222-pri.voicenet.com/207.103.116.152	3986

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980508	10:32:57 PM	0	46	0	0	0	246.salt-lake-city-02.ut.dial-access.att.net/12.64.69.246	3987
980508	10:34:28 PM	0	66	0	0	0	246.salt-lake-city-02.ut.dial-access.att.net/12.64.69.246	3988
980508	10:36:05 PM	0	79	0	0	3	246.salt-lake-city-02.ut.dial-access.att.net/12.64.69.246	3989
980508	10:36:15 PM	12300	838	41	290	1543	207-172-52-117.s117.tnt1.brd.erols.com/207.172.52.117	3990
980508	10:38:22 PM	3250	155	11	127	764	auasc6-19.flash.net/208.194.194.19	3991
980508	10:41:11 PM	6600	134	18	147	423	auasc6-19.flash.net/208.194.194.19	3992
980508	10:45:40 PM	0	181	0	0	12	ppp8578.cn.bellglobal.com/207.236.125.2	3993
980508	10:48:41 PM	4400	124	9	63	182	lOust97.tnt6.seal.da.uu.net/208.253.73.97	3994
980508	10:49:49 PM	2450	187	4	32	79	16.los-angeles-22.ca.dial-access.att.net/12.64.180.16	3995
980508	10:51:44 PM	2000	93	4	33	89	borger-179.infinitytx.net/204.254.148.179	3996
980508	10:52:23 PM	3250	131	7	41	128	16.los-angeles-22.ca.dial-access.att.net/12.64.180.16	3997
980508	10:52:58 PM	8050	231	15	281	574	lOust97.tnt6.seal.da.uu.net/208.253.73.97	3998
980508	11:05:16 PM	2300	78	9	88	131	yckam019039.netvigator.com/205.252.149.167	3999
980508	11:10:37 PM	4050	65	7	60	156	ip126.chicago10.il.pub-ip.psi.net/38.27.45.126	4000
980508	11:12:57 PM	3900	89	7	46	91	pm144-22.dialip.mich.net/198.110.144.62	4001
980508	11:20:03 PM	4000	166	7	62	360	dip-80.mmx-02.Clarion.csonline.net/209.137.47.97	4002
980508	11:21:45 PM	3150	86	6	40	120	dip-80.mmx-02.Clarion.csonline.net/209.137.47.97	4003
980508	11:31:56 PM	3950	96	7	51	149	166-2-75.ipt.aol.com/152.166.2.75	4004
980508	11:42:12 PM	4050	215	7	110	254	dl19-1002.rh.rit.edu/129.21.119.2	4005
980509	12:02:02 AM	2150	169	8	83	292	diall-6.tctc.com/205.243.39.6	4006
980509	12:04:52 AM	9300	292	19	188	451	ttyC0f.kw.igs.net/206.248.55.143	4007
980509	12:09:08 AM	9650	495	20	244	609	cor02-23.ppp.iadfw.net/206.66.7.88	4008
980509	12:09:12 AM	1600	74	6	91	180	pm1-65.richmond.infi.net/205.219.233.65	4009
980509	12:11:20 AM	5950	107	13	153	290	pm1-65.richmond.infi.net/205.219.233.65	4010
980509	12:13:54 AM	1900	278	3	37	132	saasc5-231.flash.net/209.30.90.231	4011
980509	12:16:29 AM	1800	140	3	18	137	saasc5-231.flash.net/209.30.90.231	4012
980509	12:20:57 AM	15450	692	29	395	1066	cor02-23.ppp.iadfw.net/206.66.7.88	4013
980509	12:21:22 AM	0	1	0	0	0	207.175.173.78/207.175.173.78	4014
980509	12:22:39 AM	0	70	0	0	1	207.175.173.78/207.175.173.78	4015
980509	12:24:11 AM	2650	174	5	29	67	saasc5-231.flash.net/209.30.90.231	4016
980509	12:31:07 AM	0	96	0	13	72	ts4-07.rpt.cyberhighway.net/209.161.38.97	4017
980509	12:40:30 AM	8250	249	19	139	408	p36-mex25.auck.ihug.co.nz/207.212.238.100	4018
980509	12:40:39 AM	5700	386	14	92	197	dial-115-30.ots.utexas.edu/128.83.168.126	4019
980509	12:41:27 AM	2000	94	6	94	224	lgdppp167.econi.com/192.216.239.167	4020
980509	12:43:28 AM	4550	162	9	91	207	p36-mex25.auck.ihug.co.nz/207.212.238.100	4021
980509	12:45:24 AM	1550	85	6	82	190	223.dallas-10.tx.dial-access.att.net/12.67.3.223	4022
980509	12:45:28 AM	6150	225	19	167	472	lgdppp167.econi.com/192.216.239.167	4023
980509	12:57:54 AM	4250	258	10	132	345	ppp088.216.msherb.videotron.net/207.96.216.88	4024
980509	12:58:07 AM	750	41	1	13	42	barpm6-23.caribsurf.com/205.214.193.23	4025
980509	12:59:57 AM	3300	94	7	94	290	barpm6-23.caribsurf.com/205.214.193.23	4026
980509	1:05:02 AM	9000	286	20	251	1224	barpm6-23.caribsurf.com/205.214.193.23	4027
980509	1:08:56 AM	1450	80	3	24	72	dialup83-2-56.swipnet.se/130.244.83.120	4028
980509	1:11:14 AM	4950	142	10	83	251	slip166-72-161-90.tx.us.ibm.net/166.72.161.90	4029
980509	1:14:22 AM	7850	170	14	163	330	slip166-72-161-90.tx.us.ibm.net/166.72.161.90	4030
980509	1:14:25 AM	2550	67	10	77	237	24.charlotte-06.nc.dial-access.att.net/12.69.125.24	4031
980509	1:18:14 AM	7350	207	14	236	540	slip166-72-161-90.tx.us.ibm.net/166.72.161.90	4032
980509	1:23:10 AM	11300	277	20	327	615	slip166-72-161-90.tx.us.ibm.net/166.72.161.90	4033
980509	1:25:22 AM	6500	116	12	144	214	slip166-72-161-90.tx.us.ibm.net/166.72.161.90	4034
980509	1:25:51 AM	1500	107	4	67	251	UNKNOWN019201.rev.telstra-mm.net.au/24.192.19.201	4035
980509	1:30:06 AM	3550	195	7	45	160	srf-ca3-04.ix.netcom.com/199.182.131.100	4036
980509	1:31:32 AM	5450	262	12	132	268	ts005d01.pro-ri.concentric.net/206.83.81.109	4037
980509	1:53:30 AM	2850	234	5	39	227	ppp114.citilink.com/209.98.9.145	4038
980509	1:55:52 AM	2650	133	10	87	460	mdhtpx03-port-17.agt.net/204.209.206.126	4039
980509	1:57:12 AM	4200	175	16	130	349	ppp114.citilink.com/209.98.9.145	4040
980509	1:59:35 AM	6050	214	13	197	782	mdhtpx03-port-17.agt.net/204.209.206.126	4041
980509	2:00:27 AM	600	36	2	80	124	mdhtpx03-port-17.agt.net/204.209.206.126	4042
980509	2:00:49 AM	4100	197	9	52	317	ppp114.citilink.com/209.98.9.145	4043
980509	2:07:13 AM	3600	121	7	42	137	liv24-23.tor.idirect.com/207.136.93.87	4044
980509	2:07:27 AM	2050	208	3	47	68	p31-mex6.well.ihug.co.nz/209.76.103.31	4045
980509	2:34:13 AM	6700	165	21	158	400	port-27.PM3-1.globecom.net/195.100.210.217	4046
980509	2:36:34 AM	5000	125	14	94	252	port-27.PM3-1.globecom.net/195.100.210.217	4047
980509	2:38:29 AM	0	168	0	7	16	lfkn-ddas2-a7.lcc.net/207.70.143.53	4048
980509	2:39:36 AM	4850	165	12	67	364	port-27.PM3-1.globecom.net/195.100.210.217	4049
980509	2:46:01 AM	5600	259	11	135	244	zzecraig.dialin.uq.net.au/203.101.251.11	4050
980509	2:46:15 AM	13150	375	30	326	1157	port-27.PM3-1.globecom.net/195.100.210.217	4051
980509	2:47:37 AM	4250	69	7	78	197	zzecraig.dialin.uq.net.au/203.101.251.11	4052
980509	2:49:59 AM	7900	207	17	152	454	port-27.PM3-1.globecom.net/195.100.210.217	4053
980509	2:54:05 AM	12750	372	40	399	1177	zzecraig.dialin.uq.net.au/203.101.251.11	4054
980509	2:58:26 AM	5600	245	12	131	464	sdn-ts-004casjosP01.dialsprint.net/206.133.193.68	4055
980509	2:58:35 AM	6750	228	15	223	647	zzecraig.dialin.uq.net.au/203.101.251.11	4056
980509	3:04:25 AM	32150	849	66	665	2147	port-27.PM3-1.globecom.net/195.100.210.217	4057
980509	3:38:31 AM	4350	144	9	59	223	pm343-34.dialip.mich.net/207.74.188.93	4058
980509	3:40:41 AM	2100	114	8	99	570	pm343-34.dialip.mich.net/207.74.188.93	4059
980509	3:42:51 AM	6800	128	13	136	240	p29.ta5.actcom.co.il/192.115.23.139	4060
980509	4:12:42 AM	22700	633	90	492	1698	btr-la1-13.ix.netcom.com/205.184.10.45	4061
980509	4:20:39 AM	3350	152	13	125	296	ad-ppp-248.abac.net/208.137.255.148	4062
980509	4:45:29 AM	4600	267	10	59	422	194.17.250.206/194.17.250.206	4063
980509	5:39:42 AM	4300	212	17	127	484	spc-isp-tor-uas-05-41.sprint.ca/209.5.16.242	4064
980509	5:42:28 AM	3000	147	12	92	224	spc-isp-tor-uas-05-41.sprint.ca/209.5.16.242	4065
980509	5:42:39 AM	3900	68	7	50	139	host5-99-50-79.btinternet.com/195.99.50.79	4066
980509	5:45:00 AM	6250	124	15	185	509	host5-99-50-79.btinternet.com/195.99.50.79	4067
980509	5:46:31 AM	4050	225	7	47	267	spc-isp-tor-uas-05-41.sprint.ca/209.5.16.242	4068
980509	6:08:08 AM	10350	232	25	242	681	dialup107-9-11.swipnet.se/130.244.107.139	4069
980509	6:21:42 AM	3100	63	5	51	114	a4-p23.syd.fl.net.au/202.181.2.87	4070
980509	6:43:46 AM	650	186	0	14	45	199.212.46.151/199.212.46.151	4071
980509	6:45:44 AM	0	99	0	20	38	mx1-14.ilhawaii.net/206.127.241.110	4072
980509	6:46:58 AM	200	52	0	25	35	mx1-14.ilhawaii.net/206.127.241.110	4073
980509	6:48:56 AM	5750	293	16	116	402	199.212.46.151/199.212.46.151	4074
980509	7:28:09 AM	4350	224	8	60	164	DIALUP1.TNBUL.USIT.NET/199.1.58.32	4075
980509	7:28:36 AM	8500	186	15	352	486	riq-129-91.riq.qc.ca/199.84.129.91	4076
980509	7:32:15 AM	3450	227	8	46	243	DIALUP1.TNBUL.USIT.NET/199.1.58.32	4077
980509	7:32:32 AM	9650	220	18	294	598	riq-129-91.riq.qc.ca/199.84.129.91	4078
980509	7:43:45 AM	43550	661	74	786	2047	riq-129-91.riq.qc.ca/199.84.129.91	4079
980509	7:50:12 AM	950	86	3	66	301	user-tre-501-60.dial.inet.fi/195.165.2.60	4080
980509	7:53:29 AM	4800	181	12	83	878	user-tre-501-60.dial.inet.fi/195.165.2.60	4081
980509	8:07:08 AM	7600	290	19	208	739	michael.clark.net/168.143.3.91	4082
980509	8:09:56 AM	5650	132	13	151	391	michael.clark.net/168.143.3.91	4083
980509	8:20:46 AM	0	59	0	0	0	dialup70.viconet.com/207.17.227.120	4084
980509	8:24:08 AM	200	142	0	4	33	dialup70.viconet.com/207.17.227.120	4085
980509	8:30:36 AM	6050	125	17	91	277	line106.net-connect.net/206.160.145.106	4086
980509	8:30:56 AM	400	35	1	15	17	corn206b.stny.lrun.com/204.210.137.157	4087
980509	8:32:18 AM	2600	128	10	79	530	p33-mmx11.well.ihug.co.nz/209.78.48.33	4088
980509	8:32:34 AM	3350	98	6	62	138	line106.net-connect.net/206.160.145.106	4089
980509	8:35:36 AM	7350	160	15	132	422	line106.net-connect.net/206.160.145.106	4090

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980509	8:37:17 AM	4200	84	7	83	186	line106.net-connect.net/206.160.145.106	4091
980509	8:39:01 AM	19150	385	43	697	1874	p33-max11.well.ihug.co.nz/209.78.48.33	4092
980509	8:40:39 AM	250	186	0	9	27	usm-39-39.wans.net/208.205.39.55	4093
980509	8:43:52 AM	3500	176	8	46	141	usm-39-39.wans.net/208.205.39.55	4094
980509	8:44:06 AM	5950	156	14	127	280	fctntsl3c70.nlnet.nb.ca/207.179.148.172	4095
980509	8:46:19 AM	2550	129	4	27	143	usm-39-39.wans.net/208.205.39.55	4096
980509	9:23:22 AM	2350	102	5	70	125	dig01-19.i40.ecta-oh.com/209.190.80.22	4097
980509	9:45:40 AM	5250	138	14	85	325	slip-32-100-115-112.ny.us.ibm.net/32.100.115.112	4098
980509	9:46:00 AM	1550	81	3	62	135	56K-100.MaXINM1.pdq.net/209.144.226.100	4099
980509	9:47:45 AM	3500	89	7	46	207	56K-100.MaXINM1.pdq.net/209.144.226.100	4100
980509	9:47:47 AM	4050	95	9	68	244	slip-32-100-115-112.ny.us.ibm.net/32.100.115.112	4101
980509	9:49:53 AM	4650	111	10	119	334	slip-32-100-115-112.ny.us.ibm.net/32.100.115.112	4102
980509	9:51:03 AM	3000	129	5	32	77	ici-123-133.vsat.net/208.12.123.133	4103
980509	9:51:19 AM	1900	57	4	26	65	slip-32-100-18-223.ky.us.ibm.net/32.100.18.223	4104
980509	9:52:43 AM	3750	68	8	45	123	slip-32-100-18-223.ky.us.ibm.net/32.100.18.223	4105
980509	9:53:26 AM	450	79	1	31	105	intrepid-121.fuse.net/208.16.149.121	4106
980509	9:54:21 AM	3750	80	7	45	193	line106.net-connect.net/206.160.145.106	4107
980509	9:54:28 AM	500	45	0	11	67	intrepid-121.fuse.net/208.16.149.121	4108
980509	9:54:35 AM	4000	194	7	132	258	ici-123-133.vsat.net/208.12.123.133	4109
980509	9:54:40 AM	0	88	0	0	1	128.113.70.95/128.113.70.95	4110
980509	9:55:41 AM	7650	162	15	149	267	slip-32-100-18-223.ky.us.ibm.net/32.100.18.223	4111
980509	9:57:30 AM	8000	172	18	126	325	line106.net-connect.net/206.160.145.106	4112
980509	9:57:42 AM	100	100	0	2	102	slip-32-100-18-223.ky.us.ibm.net/32.100.18.223	4113
980509	9:59:41 AM	600	22	1	26	29	ici-123-133.vsat.net/208.12.123.133	4114
980509	9:59:42 AM	4350	93	9	76	199	line106.net-connect.net/206.160.145.106	4115
980509	9:59:49 AM	4700	114	8	96	195	pm3-133.x31.infi.net/206.27.115.133	4116
980509	10:01:03 AM	700	185	2	58	333	slip-32-100-18-223.ky.us.ibm.net/32.100.18.223	4117
980509	10:02:07 AM	0	40	0	0	102	128.113.70.95/128.113.70.95	4118
980509	10:02:37 AM	2850	160	5	111	133	ici-123-133.vsat.net/208.12.123.133	4119
980509	10:03:16 AM	5600	117	15	133	318	slip-32-100-18-223.ky.us.ibm.net/32.100.18.223	4120
980509	10:05:24 AM	8550	149	14	363	485	ici-123-133.vsat.net/208.12.123.133	4121
980509	10:37:10 AM	7500	258	22	188	556	ip4.yorkr4.blazenet.net/24.104.7.4	4122
980509	10:40:51 AM	100	90	0	40	199	nic-c08-149.nw.mediaone.net/24.131.8.149	4123
980509	10:43:31 AM	3300	81	13	117	285	slip-32-100-18-223.ky.us.ibm.net/32.100.18.223	4124
980509	10:46:05 AM	1950	295	7	107	1290	nic-c08-149.nw.mediaone.net/24.131.8.149	4125
980509	10:50:30 AM	4400	174	10	330	731	nic-c08-149.nw.mediaone.net/24.131.8.149	4126
980509	10:54:52 AM	5200	218	9	315	1060	nic-c08-149.nw.mediaone.net/24.131.8.149	4127
980509	11:04:00 AM	0	46	0	0	41	128.113.70.95/128.113.70.95	4128
980509	11:04:44 AM	400	135	1	76	454	nic-c08-149.nw.mediaone.net/24.131.8.149	4129
980509	11:08:35 AM	5600	186	19	141	648	128.113.70.95/128.113.70.95	4130
980509	11:08:49 AM	0	3	0	0	0	128.113.70.95/128.113.70.95	4131
980509	11:14:28 AM	4750	159	10	100	330	242.morristown-05.nj.dial-access.att.net/12.68.157.242	4132
980509	11:17:53 AM	650	72	1	8	61	client9543.globalnet.co.uk/194.126.95.67	4133
980509	11:18:02 AM	150	41	0	4	22	dial097.netaccess.on.ca/199.243.225.225	4134
980509	11:18:53 AM	750	45	1	9	33	client9543.globalnet.co.uk/194.126.95.67	4135
980509	11:20:04 AM	650	57	1	7	29	client9543.globalnet.co.uk/194.126.95.67	4136
980509	11:21:12 AM	10250	385	27	220	1794	242.morristown-05.nj.dial-access.att.net/12.68.157.242	4137
980509	11:21:25 AM	10750	345	27	248	1471	dialin-56.carmel.bestweb.net/209.94.104.90	4138
980509	11:22:25 AM	2550	127	4	29	110	client9543.globalnet.co.uk/194.126.95.67	4139
980509	11:24:01 AM	2900	98	6	34	166	cs2511-1-6.mds.mn.frontiernet.net/209.130.165.212	4140
980509	11:24:51 AM	5750	204	12	121	671	242.morristown-05.nj.dial-access.att.net/12.68.157.242	4141
980509	11:33:55 AM	20250	395	34	548	1730	242.morristown-05.nj.dial-access.att.net/12.68.157.242	4142
980509	11:44:14 AM	3100	126	6	47	142	tomsriver689.adelphia.net/24.48.3.177	4143
980509	11:45:58 AM	4100	86	9	52	155	tomsriver689.adelphia.net/24.48.3.177	4144
980509	11:57:36 AM	7250	223	15	146	358	123.newark-03.nj.dial-access.att.net/12.68.34.123	4145
980509	12:00:03 PM	800	94	1	36	52	203-32-152.ipt.aol.com/152.203.32.152	4146
980509	12:08:45 PM	5200	109	11	105	213	204-45-117.ipt.aol.com/152.204.45.117	4147
980509	12:14:02 PM	10200	443	23	242	784	ts002d14.jac-ms.concentric.net/206.173.74.50	4148
980509	12:18:18 PM	12250	556	28	418	816	204-45-117.ipt.aol.com/152.204.45.117	4149
980509	12:25:26 PM	3700	98	7	89	291	dialup211-2-5.swipnet.se/130.244.211.69	4150
980509	12:28:15 PM	5000	155	11	168	835	dialup211-2-5.swipnet.se/130.244.211.69	4151
980509	12:38:43 PM	4400	168	12	98	847	srh0084.urh.uiuc.edu/130.126.208.93	4152
980509	12:50:00 PM	9200	289	28	166	1081	198.99.179.2/198.99.179.2	4153
980509	12:53:30 PM	250	123	0	7	19	windchime-08.synapse.net/199.84.52.104	4154
980509	12:54:47 PM	8600	271	25	207	1055	198.99.179.2/198.99.179.2	4155
980509	12:55:03 PM	9200	357	21	228	530	206.14.7.115/206.14.7.115	4156
980509	12:57:37 PM	4100	85	8	55	133	209.150.79.67/209.150.79.67	4157
980509	1:03:35 PM	4550	148	9	78	131	pm2-29.wcoil.com/206.230.70.49	4158
980509	1:05:59 PM	0	38	0	5	18	texsipd07.texhoma.net/209.48.241.136	4159
980509	1:06:22 PM	3700	161	9	100	205	dial-241.hay.net/207.81.39.241	4160
980509	1:08:02 PM	4950	107	6	131	203	pm2-29.wcoil.com/206.230.70.49	4161
980509	1:08:55 PM	4600	274	16	154	375	usr35-dialup44.mix2.Atlanta.mci.net/166.55.59.172	4162
980509	1:10:23 PM	9550	225	20	213	604	dial-241.hay.net/207.81.39.241	4163
980509	1:12:49 PM	1700	370	5	62	193	tcr1-43.keene.monad.net/206.231.110.43	4164
980509	1:16:44 PM	4500	200	11	77	232	afcon-dyn39.afcon.net/209.26.60.39	4165
980509	1:16:55 PM	6600	111	12	160	665	sergei-eisenstein.media.mit.edu/18.85.25.36	4166
980509	1:21:33 PM	9900	221	19	221	453	pm2-29.wcoil.com/206.230.70.49	4167
980509	1:32:03 PM	1250	113	4	51	215	188.hartford-02.ct.dial-access.att.net/12.68.148.188	4168
980509	1:34:01 PM	2750	221	6	52	107	130.184.111.33/130.184.111.33	4169
980509	1:38:13 PM	4100	141	8	55	144	hlfxl5-11.ns.sympatico.ca/142.177.14.20	4170
980509	1:38:17 PM	5050	132	11	84	228	1Qust176.tnt1.por2.da.uu.net/153.34.14.176	4171
980509	1:38:41 PM	2350	100	8	96	339	pc82.vash.kcls.org/198.104.18.22	4172
980509	1:39:48 PM	3450	50	6	40	179	pc82.vash.kcls.org/198.104.18.22	4173
980509	1:41:02 PM	4050	149	12	118	495	1Qust176.tnt1.por2.da.uu.net/153.34.14.176	4174
980509	1:41:19 PM	50	9	0	25	32	pc82.vash.kcls.org/198.104.18.22	4175
980509	1:42:02 PM	3900	28	6	98	126	pc82.vash.kcls.org/198.104.18.22	4176
980509	1:42:09 PM	1800	43	6	90	142	1Qust176.tnt1.por2.da.uu.net/153.34.14.176	4177
980509	1:42:49 PM	500	32	0	66	105	pc82.vash.kcls.org/198.104.18.22	4178
980509	1:43:33 PM	500	62	2	46	54	PC001684.greek.uidaho.edu/129.101.136.184	4179
980509	1:44:24 PM	150	42	0	4	12	bing702y.stny.lrun.com/204.210.143.76	4180
980509	1:44:58 PM	12050	113	15	186	468	pc82.vash.kcls.org/198.104.18.22	4181
980509	1:45:56 PM	8600	212	19	203	566	1Qust176.tnt1.por2.da.uu.net/153.34.14.176	4182
980509	1:46:26 PM	4700	156	10	91	213	PC001684.greek.uidaho.edu/129.101.136.184	4183
980509	1:49:58 PM	9700	226	19	345	706	1Qust176.tnt1.por2.da.uu.net/153.34.14.176	4184
980509	2:08:12 PM	7150	737	13	131	758	198.99.179.2/198.99.179.2	4185
980509	2:09:14 PM	3850	127	7	46	141	207.194.179.67/207.194.179.67	4186
980509	2:15:04 PM	5200	161	12	82	302	cor01-16.ppp.iadfw.net/206.66.7.113	4187
980509	2:17:02 PM	3100	109	6	47	146	pool-207-205-151-72.dlls.grid.net/207.205.151.72	4188
980509	2:18:38 PM	4000	80	9	50	132	pool-207-205-151-72.dlls.grid.net/207.205.151.72	4189
980509	2:20:21 PM	750	45	1	34	90	sdn-ts-002ilbellP10.dialsprint.net/206.133.107.45	4190
980509	2:21:39 PM	8800	301	17	207	383	cor01-16.ppp.iadfw.net/206.66.7.113	4191
980509	2:23:26 PM	8900	169	15	249	584	sdn-ts-002ilbellP10.dialsprint.net/206.133.107.45	4192
980509	2:23:54 PM	5550	145	15	99	587	pool-207-205-151-72.dlls.grid.net/207.205.151.72	4193
980509	2:29:51 PM	0	79	0	55	62	pm3-31.boone.net/206.154.8.40	4194

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980509	2:30:40 PM	3750	111	5	94	253	207.106.138.2/207.106.138.2	4195
980509	2:31:08 PM	3450	61	4	90	119	pm3-31.boone.net/206.154.8.40	4196
980509	2:32:20 PM	5500	84	12	130	275	207.106.138.2/207.106.138.2	4197
980509	2:33:49 PM	750	95	3	45	121	dmilane.ne.mediaone.net/24.128.101.82	4198
980509	2:35:51 PM	21700	265	41	449	817	pm3-31.boone.net/206.154.8.40	4199
980509	2:37:46 PM	4900	99	8	187	221	pm3-31.boone.net/206.154.8.40	4200
980509	2:42:03 PM	5000	117	10	86	201	max3-156.netcologne.de/194.8.196.156	4201
980509	2:42:25 PM	1300	74	5	46	102	207.106.138.2/207.106.138.2	4202
980509	2:43:49 PM	1150	93	3	47	87	ca3-5.pot.ptd.net/204.186.34.37	4203
980509	2:45:41 PM	3250	98	7	61	167	ca3-5.pot.ptd.net/204.186.34.37	4204
980509	2:50:35 PM	6350	325	15	138	509	pm3-3-084.wizard.com/208.211.54.84	4205
980509	2:51:47 PM	1550	57	6	56	140	pm3-3-084.wizard.com/208.211.54.84	4206
980509	2:53:36 PM	4650	151	10	87	229	usr2-dialup59.mixl.Bloomington.mci.net/166.55.19.123	4207
980509	2:53:52 PM	4350	177	9	51	516	ip185.van6.pacifier.com/206.163.4.185	4208
980509	2:56:52 PM	2400	83	5	46	117	user-37kbnm4.dialup.mindspring.com/207.69.222.196	4209
980509	2:57:22 PM	3450	147	6	41	130	169-71-78.ipt.aol.com/152.169.71.78	4210
980509	2:58:09 PM	5150	363	15	130	780	pm3-3-084.wizard.com/208.211.54.84	4211
980509	2:59:01 PM	3300	209	10	105	345	dial45.stu.adelphia.net/24.48.26.45	4212
980509	2:59:21 PM	3100	133	6	43	225	user-37kbnm4.dialup.mindspring.com/207.69.222.196	4213
980509	3:02:23 PM	14250	494	43	356	2006	ip185.van6.pacifier.com/206.163.4.185	4214
980509	3:02:34 PM	4100	229	8	59	303	pm3-3-084.wizard.com/208.211.54.84	4215
980509	3:03:04 PM	3500	226	8	46	603	dial45.stu.adelphia.net/24.48.26.45	4216
980509	3:04:22 PM	3750	167	8	46	143	GA-g5.resnet.emory.edu/170.140.88.5	4217
980509	3:08:02 PM	5150	283	12	68	396	pm3-3-084.wizard.com/208.211.54.84	4218
980509	3:10:06 PM	7000	151	14	115	216	171-183-186.ipt.aol.com/152.171.183.186	4219
980509	3:10:54 PM	350	50	0	8	14	ucppp19.buffnet.net/207.41.194.124	4220
980509	3:11:42 PM	4950	80	8	72	144	171-183-186.ipt.aol.com/152.171.183.186	4221
980509	3:12:50 PM	650	48	1	19	43	Rmpck9.Riem.Com/198.93.148.50	4222
980509	3:13:33 PM	4450	94	9	53	158	171-183-186.ipt.aol.com/152.171.183.186	4223
980509	3:15:21 PM	3350	130	7	48	392	Rmpck9.Riem.Com/198.93.148.50	4224
980509	3:16:03 PM	4700	134	10	78	217	171-183-186.ipt.aol.com/152.171.183.186	4225
980509	3:17:28 PM	9850	377	21	228	574	ucppp19.buffnet.net/207.41.194.124	4226
980509	3:17:34 PM	5000	126	13	160	817	Rmpck9.Riem.Com/198.93.148.50	4227
980509	3:17:54 PM	5200	95	10	68	199	171-183-186.ipt.aol.com/152.171.183.186	4228
980509	3:19:00 PM	5550	69	12	184	404	Rmpck9.Riem.Com/198.93.148.50	4229
980509	3:20:28 PM	6750	139	13	101	191	171-183-186.ipt.aol.com/152.171.183.186	4230
980509	3:20:42 PM	6300	87	14	199	562	Rmpck9.Riem.Com/198.93.148.50	4231
980509	3:21:22 PM	6400	146	11	259	413	ucppp19.buffnet.net/207.41.194.124	4232
980509	3:24:19 PM	0	132	0	0	5	hd50-023.hil.compuserve.com/199.174.230.23	4233
980509	3:24:33 PM	9100	229	21	170	454	171-183-186.ipt.aol.com/152.171.183.186	4234
980509	3:28:14 PM	9150	204	22	174	385	171-183-186.ipt.aol.com/152.171.183.186	4235
980509	3:28:30 PM	250	87	0	10	55	209.73.220.45/209.73.220.45	4236
980509	3:33:04 PM	9400	195	21	159	364	171-183-186.ipt.aol.com/152.171.183.186	4237
980509	3:33:52 PM	2700	115	5	30	116	205.152.23.2/205.152.23.2	4238
980509	3:35:05 PM	9550	185	20	190	355	171-183-186.ipt.aol.com/152.171.183.186	4239
980509	3:39:09 PM	2750	142	5	42	205	ts31-02.tor.istar.ca/204.191.149.193	4240
980509	3:39:18 PM	1750	209	5	57	200	dlp219.spring.eri.net/207.90.127.249	4241
980509	3:43:25 PM	6850	240	20	147	891	ts31-02.tor.istar.ca/204.191.149.193	4242
980509	3:46:31 PM	4500	105	9	58	175	cs115316-a.sshel.sk.wave.home.com/24.64.103.183	4243
980509	3:48:05 PM	100	13	0	29	33	cs115316-a.sshel.sk.wave.home.com/24.64.103.183	4244
980509	3:48:22 PM	2950	48	3	211	257	nic-c08-149.mw.mediaone.net/24.131.8.149	4245
980509	3:49:36 PM	4400	75	8	121	178	cs115316-a.sshel.sk.wave.home.com/24.64.103.183	4246
980509	3:51:47 PM	7950	185	16	338	931	nic-c08-149.mw.mediaone.net/24.131.8.149	4247
980509	3:54:43 PM	7000	128	12	361	689	nic-c08-149.mw.mediaone.net/24.131.8.149	4248
980509	3:54:46 PM	7150	587	14	151	425	anc-p23-117.alaska.net/209.112.140.117	4249
980509	3:57:09 PM	0	222	0	0	9	204.134.127.65/204.134.127.65	4250
980509	3:57:41 PM	1950	105	4	195	426	nic-c08-149.mw.mediaone.net/24.131.8.149	4251
980509	3:59:49 PM	3000	112	8	269	430	nic-c08-149.mw.mediaone.net/24.131.8.149	4252
980509	4:07:04 PM	10100	293	25	244	681	und-as2p22.und.NoDak.edu/134.129.135.73	4253
980509	4:12:58 PM	5150	266	18	149	1202	usrtlm48.ipoline.com/209.5.74.106	4254
980509	4:15:39 PM	5000	148	11	87	300	usrtlm48.ipoline.com/209.5.74.106	4255
980509	4:18:12 PM	800	118	0	21	47	clwk01m01-10.bctel.ca/209.52.192.10	4256
980509	4:27:51 PM	1350	75	4	48	137	h1fx04-37.ns.sympatico.ca/142.177.9.46	4257
980509	4:36:37 PM	3800	79	8	46	183	Ascend18.web-ster.com/204.245.213.18	4258
980509	4:38:32 PM	4100	89	8	46	230	Ascend18.web-ster.com/204.245.213.18	4259
980509	4:45:58 PM	4400	153	9	65	179	cybers32d176.cg.wave.shaw.ca/24.64.32.176	4260
980509	4:46:28 PM	14250	335	50	289	2109	lOust170.tnt4.redmond.wa.da.uu.net/153.37.202.170	4261
980509	4:50:57 PM	2650	113	6	35	233	204-230-29.ipt.aol.com/152.204.230.29	4262
980509	4:53:41 PM	5800	249	14	111	300	ppp-pm01-dy-20.opr.oakland.edu/141.210.14.181	4263
980509	4:54:40 PM	0	36	0	0	1	pool017-max2.sc-ca-us.dialup.earthlink.net/207.217.145.67	4264
980509	4:58:03 PM	4500	102	11	123	228	210.seattle-04.wa.dial-access.att.net/12.65.19.210	4265
980509	5:02:42 PM	1300	270	2	22	249	wok3-11.memphis.edu/141.225.224.71	4266
980509	5:03:49 PM	4750	162	11	117	571	204-230-29.ipt.aol.com/152.204.230.29	4267
980509	5:04:42 PM	8850	220	24	163	678	128.113.70.95/128.113.70.95	4268
980509	5:04:53 PM	5650	138	15	98	325	166.55.224.228/166.55.224.228	4269
980509	5:07:02 PM	4550	176	13	141	734	204-230-29.ipt.aol.com/152.204.230.29	4270
980509	5:09:34 PM	5750	130	14	152	397	lgdppp149.eoni.com/192.216.239.149	4271
980509	5:12:21 PM	7400	97	14	144	249	ip-100-181.cld.primenet.com/207.218.100.181	4272
980509	5:18:58 PM	4500	226	12	114	1170	204-230-29.ipt.aol.com/152.204.230.29	4273
980509	5:21:04 PM	4900	370	11	69	257	ppp1.poal.presys.com/206.100.164.114	4274
980509	5:21:34 PM	0	48	0	0	1	AS52-21-23.cas-kit.golden.net/209.183.132.23	4275
980509	5:23:06 PM	6950	226	22	183	756	204-230-29.ipt.aol.com/152.204.230.29	4276
980509	5:28:19 PM	0	102	0	0	32	pg2-30264.cslab.unf.edu/139.62.192.218	4277
980509	5:30:51 PM	0	38	0	5	23	167-137-171.ipt.aol.com/152.167.137.171	4278
980509	5:33:36 PM	900	146	2	18	58	141.charlotte-06.nc.dial-access.att.net/12.69.125.141	4279
980509	5:35:02 PM	2800	215	9	118	731	167-137-171.ipt.aol.com/152.167.137.171	4280
980509	5:35:19 PM	5250	181	12	94	292	ppp07-tcl.acnet.net/167.114.24.232	4281
980509	5:38:31 PM	7500	175	16	126	291	ppp07-tcl.acnet.net/167.114.24.232	4282
980509	5:42:57 PM	0	11	0	0	11	port24.jxn.netdoor.com/208.137.132.24	4283
980509	5:45:00 PM	1200	96	2	17	42	port24.jxn.netdoor.com/208.137.132.24	4284
980509	5:46:46 PM	3500	91	7	40	79	port24.jxn.netdoor.com/208.137.132.24	4285
980509	5:46:52 PM	2900	162	8	117	358	pppw19.htc.net/208.165.192.19	4286
980509	5:50:08 PM	5750	175	14	150	376	port24.jxn.netdoor.com/208.137.132.24	4287
980509	5:51:41 PM	7250	269	15	168	583	pppw19.htc.net/208.165.192.19	4288
980509	5:56:20 PM	4200	161	5	125	166	PPP46.soonet.ca/208.128.159.65	4289
980509	5:56:49 PM	0	14	0	17	22	PPP46.soonet.ca/208.128.159.65	4290
980509	5:59:14 PM	2750	128	3	80	112	PPP46.soonet.ca/208.128.159.65	4291
980509	6:00:04 PM	5950	236	21	181	701	208.new-york-28-29rs.ny.dial-access.att.net/12.79.5.208	4292
980509	6:10:22 PM	0	4	0	0	1	P-198.83.Elnet.yu/194.247.198.83	4293
980509	6:11:09 PM	50	22	0	25	33	P-198.83.Elnet.yu/194.247.198.83	4294
980509	6:11:53 PM	100	16	0	31	39	P-198.83.Elnet.yu/194.247.198.83	4295
980509	6:16:45 PM	2050	77	8	86	146	206.65.254.232/206.65.254.232	4296
980509	6:19:22 PM	1250	50	3	21	65	wicladl-103.up.net/208.4.95.103	4297
980509	6:20:18 PM	2950	195	6	35	233	usr-22.syr.axess.net/205.247.138.222	4298

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980509	6:20:34 PM	4800	207	9	98	203	206.65.254.232/206.65.254.232	4299
980509	6:21:47 PM	4300	129	7	112	231	wiclad1-103.up.net/208.4.95.103	4300
980509	6:23:01 PM	0	199	0	0	0	client-151-197-111-46.bellatlantic.net/151.197.111.46	4301
980509	6:23:33 PM	2850	230	8	94	208	user-381d21a.dialup.mindspring.com/209.86.136.42	4302
980509	6:23:48 PM	0	4	0	0	0	user-381d21a.dialup.mindspring.com/209.86.136.42	4303
980509	6:25:33 PM	3900	174	8	58	193	169-254-131.ipt.aol.com/152.169.254.131	4304
980509	6:30:42 PM	5100	292	12	109	392	169-254-131.ipt.aol.com/152.169.254.131	4305
980509	6:34:19 PM	3700	246	10	95	508	tuctcl-28.flash.net/209.30.43.28	4306
980509	6:35:14 PM	4750	253	13	128	847	169-254-131.ipt.aol.com/152.169.254.131	4307
980509	6:37:05 PM	2800	94	11	106	365	169-254-131.ipt.aol.com/152.169.254.131	4308
980509	6:39:45 PM	4300	145	15	148	458	169-254-131.ipt.aol.com/152.169.254.131	4309
980509	6:41:29 PM	12700	353	32	407	886	cx208265-a.mesa1.az.home.com/24.1.200.93	4310
980509	6:42:20 PM	2850	189	10	78	294	user-381d21a.dialup.mindspring.com/209.86.136.42	4311
980509	6:47:07 PM	3050	217	8	99	305	rm53.oregoncoast.com/204.176.109.53	4312
980509	6:50:03 PM	3700	194	11	82	276	206.74.5.251/206.74.5.251	4313
980509	6:51:16 PM	7500	231	23	171	490	rm53.oregoncoast.com/204.176.109.53	4314
980509	6:53:12 PM	7700	240	14	163	456	yam.ummu.umich.edu/141.213.34.95	4315
980509	6:55:44 PM	1450	136	5	70	209	yam.ummu.umich.edu/141.213.34.95	4316
980509	7:05:40 PM	1700	136	4	24	67	209.44.36.36/209.44.36.36	4317
980509	7:08:25 PM	2050	63	3	47	93	user-381d8mk.dialup.mindspring.com/209.86.162.212	4318
980509	7:08:57 PM	1850	118	6	68	233	149.nations.net/209.194.92.149	4319
980509	7:09:08 PM	4750	123	8	313	473	nic-c08-149.mw.mediaone.net/24.131.8.149	4320
980509	7:09:38 PM	1700	75	6	75	142	RKG106.rh.psu.edu/128.118.51.4	4321
980509	7:10:38 PM	3500	117	7	43	257	user-381d8mk.dialup.mindspring.com/209.86.162.212	4322
980509	7:11:07 PM	5350	98	8	296	484	nic-c08-149.mw.mediaone.net/24.131.8.149	4323
980509	7:20:05 PM	100	29	0	39	40	pc-12634.on.rogers.wave.ca/24.112.38.157	4324
980509	7:20:34 PM	3750	199	8	48	159	modem-199.peterboro.net/205.206.219.199	4325
980509	7:21:01 PM	3450	39	5	82	100	pc-12634.on.rogers.wave.ca/24.112.38.157	4326
980509	7:22:20 PM	4550	208	9	55	166	171-41-185.ipt.aol.com/152.171.41.185	4327
980509	7:22:40 PM	5000	75	9	120	170	pc-12634.on.rogers.wave.ca/24.112.38.157	4328
980509	7:22:52 PM	750	234	2	49	134	cc1009683-a.vron1.nj.home.com/24.3.145.77	4329
980509	7:29:10 PM	6650	389	13	196	485	168-142-15.ipt.aol.com/152.168.142.15	4330
980509	7:37:31 PM	600	166	2	90	230	ppp6440.on.bellglobal.com/206.172.208.32	4331
980509	7:40:02 PM	650	51	1	7	30	fre-76-121.Reshall.Berkeley.EDU/169.229.76.121	4332
980509	7:42:12 PM	0	192	0	1	22	port59.lightlink.com/205.232.34.159	4333
980509	7:42:27 PM	18550	879	46	618	3904	maxX15217.servers.unsw.EDU.AU/129.94.15.217	4334
980509	7:44:00 PM	3750	186	8	51	225	hannpt01-port-3.agt.net/198.161.155.141	4335
980509	7:47:04 PM	3250	161	6	42	104	hannpt01-port-3.agt.net/198.161.155.141	4336
980509	7:48:56 PM	6450	295	19	130	1163	ppp-207-214-252-92.psdn11.pacbell.net/207.214.252.92	4337
980509	7:50:47 PM	3350	94	13	135	489	ppp-207-214-252-92.psdn11.pacbell.net/207.214.252.92	4338
980509	7:52:19 PM	4950	117	10	86	217	usr27-dialup1.mix1.Bloomington.mci.net/166.55.25.129	4339
980509	7:52:30 PM	3150	2815	6	46	104	ascend-statewide-dialin350.esslink.com/204.252.96.166	4340
980509	7:55:26 PM	13650	262	46	272	1831	ppp-207-214-252-92.psdn11.pacbell.net/207.214.252.92	4341
980509	7:56:25 PM	3750	230	8	45	345	usr27-dialup1.mix1.Bloomington.mci.net/166.55.25.129	4342
980509	7:56:41 PM	31100	842	58	860	4316	maxX15217.servers.unsw.EDU.AU/129.94.15.217	4343
980509	7:57:12 PM	3350	117	6	43	137	lust.eng.wayne.edu/141.217.24.246	4344
980509	7:59:36 PM	5100	176	11	157	358	usr27-dialup1.mix1.Bloomington.mci.net/166.55.25.129	4345
980509	8:00:41 PM	1700	50	5	68	120	usr27-dialup1.mix1.Bloomington.mci.net/166.55.25.129	4346
980509	8:00:59 PM	7700	201	24	198	974	sil-wa4-35.ix.netcom.com/207.93.136.99	4347
980509	8:02:14 PM	7500	97	15	310	463	nic-c08-149.mw.mediaone.net/24.131.8.149	4348
980509	8:02:20 PM	3850	65	15	114	390	sil-wa4-35.ix.netcom.com/207.93.136.99	4349
980509	8:02:45 PM	2550	135	5	46	203	cgowave-26-204.cgocable.net/24.226.26.204	4350
980509	8:05:12 PM	7200	158	15	314	625	nic-c08-149.mw.mediaone.net/24.131.8.149	4351
980509	8:11:17 PM	1800	282	3	54	117	victoria.pe.net/207.49.166.2	4352
980509	8:15:42 PM	3150	82	7	42	96	FUJIDS15.MIT.EDU/18.80.3.119	4353
980509	8:17:16 PM	3550	79	7	41	197	FUJIDS15.MIT.EDU/18.80.3.119	4354
980509	8:35:14 PM	7600	264	15	150	429	207.98.63.38/207.98.63.38	4355
980509	8:38:51 PM	7800	337	20	226	576	1Oust159.tnt13.det3.da.uu.net/208.254.241.159	4356
980509	8:43:21 PM	27250	385	44	400	793	ci85061-a.nash1.tn.home.com/24.2.97.219	4357
980509	8:46:06 PM	5700	167	7	264	722	maxX15229.servers.unsw.EDU.AU/129.94.15.229	4358
980509	8:48:20 PM	700	81	2	34	128	208.13.22.202/208.13.22.202	4359
980509	8:48:57 PM	15900	652	54	356	2538	usr36-dialup3.mix2.Atlanta.mci.net/166.55.59.195	4360
980509	8:51:40 PM	8000	155	13	245	577	ip42.van2.pacifier.com/206.163.4.42	4361
980509	8:52:13 PM	27100	248	43	473	832	user-381cp7e.dialup.mindspring.com/209.86.100.238	4362
980509	8:53:26 PM	7350	90	10	229	327	ip42.van2.pacifier.com/206.163.4.42	4363
980509	9:06:50 PM	5050	187	13	73	330	rabbit.greene.xtn.net/206.30.189.10	4364
980509	9:11:01 PM	650	61	1	12	45	dsle00398.adsl.telusplanet.net/209.115.144.142	4365
980509	9:26:48 PM	1550	108	2	19	335	Dial-up145.mamisp.com/207.79.8.145	4366
980509	9:27:04 PM	1900	215	5	80	176	bay1-94.quincy.ziplink.net/206.15.142.108	4367
980509	9:28:28 PM	950	52	3	70	116	bay1-94.quincy.ziplink.net/206.15.142.108	4368
980509	9:32:25 PM	1550	48	3	81	95	202-176-93.ipt.aol.com/152.202.176.93	4369
980509	9:34:04 PM	4900	84	9	154	221	202-176-93.ipt.aol.com/152.202.176.93	4370
980509	9:51:44 PM	1250	55	4	77	119	144.baltimore-02.md.dial-access.att.net/12.68.115.144	4371
980509	9:51:50 PM	8200	465	32	217	1035	cdial-108.suite224.net/209.176.65.108	4372
980509	9:55:21 PM	2850	185	5	49	359	ubppp-245-015.ppp-net.buffalo.edu/128.205.245.15	4373
980509	10:00:46 PM	12350	162	27	395	838	95.dallas-25.tx.dial-access.att.net/12.67.82.95	4374
980509	10:01:23 PM	1700	21	2	88	106	95.dallas-25.tx.dial-access.att.net/12.67.82.95	4375
980509	10:01:54 PM	13400	282	25	386	795	116.san-francisco-13.ca.dial-access.att.net/12.64.160.116	4376
980509	10:02:24 PM	3350	44	6	167	226	95.dallas-25.tx.dial-access.att.net/12.67.82.95	4377
980509	10:02:39 PM	22050	490	40	701	2600	61.san-francisco-13.ca.dial-access.att.net/12.64.160.61	4378
980509	10:04:13 PM	3400	132	8	52	194	207.49.41.161/207.49.41.161	4379
980509	10:04:24 PM	7800	133	15	142	267	116.san-francisco-13.ca.dial-access.att.net/12.64.160.116	4380
980509	10:05:17 PM	9750	247	20	236	538	ppp-5200-3539.mtl.total.net/207.139.147.245	4381
980509	10:08:18 PM	2400	71	6	95	207	cybers144d45.mt.wave.shaw.ca/24.64.144.45	4382
980509	10:10:50 PM	4350	143	14	109	242	tc22-249.entelchile.net/206.84.69.249	4383
980509	10:12:10 PM	3400	115	6	39	90	198.189.70.224/198.189.70.224	4384
980509	10:15:22 PM	3750	176	8	62	190	198.189.70.224/198.189.70.224	4385
980509	10:19:12 PM	18600	222	26	389	658	cybers32d176.cg.wave.shaw.ca/24.64.32.176	4386
980509	10:21:41 PM	3650	104	6	45	266	cybers32d176.cg.wave.shaw.ca/24.64.32.176	4387
980509	10:22:15 PM	5250	134	13	88	307	slip166-72-150-84.ca.us.ibm.net/166.72.150.84	4388
980509	10:22:27 PM	13450	288	25	384	842	world-f.std.com/199.172.62.5	4389
980509	10:26:27 PM	3500	135	7	48	256	phx-ts18-22.goodnet.com/207.98.133.55	4390
980509	10:30:24 PM	1250	39	5	44	140	SA5399-11-10.stic.net/207.71.50.240	4391
980509	10:31:15 PM	5500	269	10	89	446	phx-ts18-22.goodnet.com/207.98.133.55	4392
980509	10:35:13 PM	7650	341	16	203	896	AS52-25-232.cas-kit.golden.net/209.183.132.232	4393
980509	10:37:17 PM	1000	129	4	79	122	tor7-16.yesic.com/209.167.2.136	4394
980509	10:40:09 PM	4150	125	11	79	487	anc-p50-16.alaska.net/209.112.138.16	4395
980509	10:41:46 PM	2400	81	5	64	316	anc-p50-16.alaska.net/209.112.138.16	4396
980509	10:45:01 PM	2100	94	3	75	250	anc-p50-16.alaska.net/209.112.138.16	4397
980509	10:45:51 PM	3950	381	7	63	202	207.150.39.132/207.150.39.132	4398
980509	10:47:17 PM	3250	235	7	62	223	gen2-112ip163.cadvision.com/209.91.112.163	4399
980509	10:47:40 PM	4700	108	9	86	500	SA5399-11-10.stic.net/207.71.50.240	4400
980509	10:48:05 PM	4100	108	8	46	133	dyn120ppp94.pacific.net.sg/210.24.120.94	4401
980509	10:48:55 PM	3850	81	7	53	133	gen2-112ip163.cadvision.com/209.91.112.163	4402

date	time	score	duration	baddies	hits	shots	ip address of player	id#
980509	10:51:01 PM	4750	97	9	71	115	user-38lca21.dialup.mindspring.com/209.86.40.65	4403
980509	10:51:12 PM	11450	194	19	306	898	SA5399-11-10.stic.net/207.71.50.240	4404
980509	10:53:23 PM	150	61	0	27	94	p124.rcia.com/209.20.190.185	4405
980509	10:55:23 PM	8000	238	17	176	1169	SA5399-11-10.stic.net/207.71.50.240	4406
980509	11:01:06 PM	4850	225	11	118	473	tnt01-96.n-link.com/208.135.246.96	4407
980509	11:04:54 PM	7850	213	16	187	523	tnt01-96.n-link.com/208.135.246.96	4408
980509	11:19:48 PM	4900	145	10	155	200	dial12.eidnet.org/207.34.60.12	4409
980509	11:23:02 PM	4450	128	10	95	172	s65.coslink.net/199.190.82.152	4410
980509	11:27:55 PM	14300	279	30	349	663	s65.coslink.net/199.190.82.152	4411
980509	11:34:06 PM	7750	107	12	186	268	rdialup12.tcinc.net/207.49.41.162	4412
980509	11:36:25 PM	1250	140	5	62	99	c6ppp172.ecom.net/207.155.74.172	4413
980509	11:37:42 PM	0	68	0	0	0	c6ppp172.ecom.net/207.155.74.172	4414
980509	11:39:16 PM	2700	138	8	60	342	207.245.249.63/207.245.249.63	4415
980509	11:48:56 PM	950	674	3	47	145	arh0378.urh.uiuc.edu/130.126.72.88	4416
980509	11:53:24 PM	200	50	0	5	148	168-109-78.ipt.aol.com/152.168.109.78	4417
980509	11:54:04 PM	5850	349	13	126	802	d206.focal3.interaccess.com/207.208.138.206	4418
980509	11:54:27 PM	800	46	1	24	30	168-109-78.ipt.aol.com/152.168.109.78	4419
980509	11:56:48 PM	3400	127	5	83	155	168-109-78.ipt.aol.com/152.168.109.78	4420
980509	11:56:50 PM	6650	457	19	216	547	arh0378.urh.uiuc.edu/130.126.72.88	4421
980509	11:59:16 PM	9900	274	20	281	601	ccc92.dclink.com/207.168.31.92	4422
980509	11:59:17 PM	5650	133	11	138	243	168-109-78.ipt.aol.com/152.168.109.78	4423
980509	11:59:40 PM	1050	84	1	55	77	dial-35-056.easystreet.com/206.103.35.56	4424
980509	11:59:44 PM	3650	94	7	102	144	pm2-5-03.cyberspc.mb.ca/198.163.240.152	4425
980510	12:02:24 AM	8800	149	14	204	647	dial-35-056.easystreet.com/206.103.35.56	4426
980510	12:05:11 AM	4050	133	9	57	167	dov1-43.dmv.com/207.124.188.143	4427
980510	12:08:37 AM	4150	155	9	61	379	market.pe.net/205.219.116.52	4428
980510	12:09:06 AM	2600	219	10	89	264	1Oust164.tnt15.dfw5.da.uu.net/153.36.247.164	4429
980510	12:22:21 AM	0	80	0	6	13	200-106-157.ipt.aol.com/152.200.106.157	4430
980510	12:22:50 AM	5300	131	10	88	261	logan238.blue.net/208.194.235.238	4431
980510	12:24:42 AM	4600	96	10	85	194	logan238.blue.net/208.194.235.238	4432
980510	12:27:41 AM	1750	57	6	63	103	ts21.rworld.com/206.230.95.213	4433
980510	12:27:58 AM	3400	166	13	117	321	167-120-45.ipt.aol.com/152.167.120.45	4434
980510	12:28:43 AM	950	42	2	14	31	sea-ts4-p07.wolfenet.com/207.178.59.57	4435
980510	12:32:23 AM	5100	201	13	94	266	sea-ts4-p07.wolfenet.com/207.178.59.57	4436
980510	12:33:45 AM	1400	32	2	18	38	ts001d05.sag-mi.concentric.net/207.155.211.17	4437
980510	12:36:36 AM	12100	520	21	355	1419	ts21.rworld.com/206.230.95.213	4438
980510	12:37:28 AM	50	48	0	29	34	lgvdial15.tyler.net/208.134.148.15	4439
980510	12:37:54 AM	0	11	0	22	30	lgvdial15.tyler.net/208.134.148.15	4440
980510	12:40:04 AM	1750	57	2	42	60	24.128.50.18/24.128.50.18	4441
980510	12:40:58 AM	13100	168	24	349	684	lgvdial15.tyler.net/208.134.148.15	4442
980510	12:42:00 AM	4000	59	5	138	270	host-209-214-72-121.atl-n.bellsouth.net/209.214.72.121	4443
980510	12:43:24 AM	7900	65	11	249	507	host-209-214-72-121.atl-n.bellsouth.net/209.214.72.121	4444
980510	12:44:00 AM	5600	20	8	125	155	host-209-214-72-121.atl-n.bellsouth.net/209.214.72.121	4445
980510	12:45:07 AM	7250	51	12	275	400	host-209-214-72-121.atl-n.bellsouth.net/209.214.72.121	4446
980510	12:47:27 AM	14100	124	26	415	777	host-209-214-72-121.atl-n.bellsouth.net/209.214.72.121	4447
980510	12:47:57 AM	5800	171	17	123	668	alex-va-n008c167.mcon.jic.com/206.156.18.177	4448
980510	12:50:21 AM	4750	170	10	60	228	208.147.62.90/208.147.62.90	4449
980510	12:50:25 AM	1650	94	4	95	339	28.san-francisco-07.ca.dial-access.att.net/12.64.6.28	4450
980510	12:52:10 AM	2500	87	4	26	375	28.san-francisco-07.ca.dial-access.att.net/12.64.6.28	4451
980510	12:52:28 AM	3500	108	7	43	166	208.147.62.90/208.147.62.90	4452
980510	12:53:08 AM	8250	283	20	317	657	zzecraig.dialin.uq.net.au/203.101.251.11	4453
980510	12:54:06 AM	1450	83	5	87	185	208.147.62.90/208.147.62.90	4454
980510	12:54:19 AM	1050	51	3	110	197	zzecraig.dialin.uq.net.au/203.101.251.11	4455
980510	12:54:33 AM	2600	130	4	47	616	28.san-francisco-07.ca.dial-access.att.net/12.64.6.28	4456
980510	12:55:44 AM	3200	129	10	126	526	d206.focal3.interaccess.com/207.208.138.206	4457
980510	12:57:32 AM	6800	164	21	180	1414	28.san-francisco-07.ca.dial-access.att.net/12.64.6.28	4458
980510	12:58:47 AM	1450	59	3	69	197	28.san-francisco-07.ca.dial-access.att.net/12.64.6.28	4459
980510	1:00:36 AM	11200	360	24	431	988	zzecraig.dialin.uq.net.au/203.101.251.11	4460
980510	1:01:04 AM	3500	121	7	40	498	28.san-francisco-07.ca.dial-access.att.net/12.64.6.28	4461
980510	1:08:38 AM	16100	466	39	582	1870	zzecraig.dialin.uq.net.au/203.101.251.11	4462
980510	1:22:01 AM	3200	77	5	38	117	host47.analog.xroadstx.com/208.220.74.200	4463
980510	1:24:32 AM	0	44	0	44	46	ad24-118.arl.compuserve.com/199.174.166.118	4464
980510	1:24:54 AM	0	3	0	0	0	207-172-62-118.s118.tnt2.ram.erols.com/207.172.62.118	4465
980510	1:27:00 AM	9100	132	15	291	488	ad24-118.arl.compuserve.com/199.174.166.118	4466
980510	1:28:35 AM	4100	79	5	109	372	ad24-118.arl.compuserve.com/199.174.166.118	4467
980510	1:29:42 AM	6300	52	9	162	264	ad24-118.arl.compuserve.com/199.174.166.118	4468
980510	1:31:18 AM	9850	142	18	261	645	zzecraig.dialin.uq.net.au/203.101.251.11	4469
980510	1:35:48 AM	12700	255	26	357	1204	zzecraig.dialin.uq.net.au/203.101.251.11	4470
980510	1:39:10 AM	9550	183	15	255	762	zzecraig.dialin.uq.net.au/203.101.251.11	4471
980510	1:43:04 AM	4850	133	9	91	156	p25.pm1.van.integritycnline.com/205.238.28.25	4472
980510	1:44:01 AM	14250	272	19	464	830	zzecraig.dialin.uq.net.au/203.101.251.11	4473
980510	2:10:19 AM	6250	116	12	111	231	ppp032.anet-stl.com/209.83.129.32	4474
980510	2:12:16 AM	150	141	0	25	106	172-208-195.ipt.aol.com/152.172.208.195	4475
980510	2:38:58 AM	1150	48	2	17	26	sdcoe-ib14.sdcoe.k12.ca.us/209.66.194.14	4476
980510	2:44:44 AM	5050	257	14	145	878	user-38lclsr.dialup.mindspring.com/209.86.87.155	4477
980510	2:48:17 AM	6100	197	17	127	854	user-38lclsr.dialup.mindspring.com/209.86.87.155	4478
980510	2:52:43 AM	3600	138	8	95	200	user-37kbo84.dialup.mindspring.com/207.69.225.4	4479
980510	2:57:16 AM	3050	117	5	40	188	209.84.132.245/209.84.132.245	4480
980510	3:18:24 AM	2800	62	5	37	176	tcnet00-58.austin.texas.net/209.99.42.247	4481
980510	3:20:45 AM	8250	127	19	152	300	tcnet00-58.austin.texas.net/209.99.42.247	4482
980510	3:25:10 AM	3150	142	8	86	228	dialup89-6-13.swipnet.se/130.244.89.93	4483
980510	3:45:13 AM	950	83	1	20	102	ns001027.singnet.com.sg/165.21.189.97	4484
980510	3:48:20 AM	5350	169	13	75	254	ns001027.singnet.com.sg/165.21.189.97	4485
980510	3:50:29 AM	3400	111	7	60	177	ns001027.singnet.com.sg/165.21.189.97	4486
980510	3:53:18 AM	3600	153	8	48	155	ns001027.singnet.com.sg/165.21.189.97	4487
980510	3:55:15 AM	4000	102	7	50	125	ns001027.singnet.com.sg/165.21.189.97	4488
980510	3:57:02 AM	1800	91	3	18	45	ns001027.singnet.com.sg/165.21.189.97	4489
980510	3:59:24 AM	4100	125	8	57	157	ns001027.singnet.com.sg/165.21.189.97	4490
980510	4:28:43 AM	3300	120	6	52	181	sfdn12-163.sf.compuserve.com/206.175.229.163	4491
980510	4:32:47 AM	6500	227	12	138	446	sfdn12-163.sf.compuserve.com/206.175.229.163	4492
980510	4:34:45 AM	3150	99	7	73	236	sfdn12-163.sf.compuserve.com/206.175.229.163	4493
980510	4:37:43 AM	7200	162	13	135	300	sfdn12-163.sf.compuserve.com/206.175.229.163	4494
980510	4:53:35 AM	5000	107	8	94	233	a5-04-asy33.bey-ro-02.superonline.com/195.33.217.38	4495
980510	4:55:22 AM	3600	87	6	37	418	a5-04-asy33.bey-ro-02.superonline.com/195.33.217.38	4496
980510	5:15:01 AM	0	50	0	55	59	user23.argo.net.au/203.25.160.26	4497
980510	5:15:29 AM	0	12	0	17	20	user23.argo.net.au/203.25.160.26	4498
980510	5:17:07 AM	3350	81	4	139	163	user23.argo.net.au/203.25.160.26	4499
980510	5:36:26 AM	11300	325	21	296	649	sjoback.medkem.gu.se/130.241.76.95	4500
980510	5:41:50 AM	13450	311	26	358	861	sjoback.medkem.gu.se/130.241.76.95	4501
980510	7:42:36 AM	3750	100	8	50	375	dialup201-2-53.swipnet.se/130.244.201.117	4502
980510	7:45:45 AM	7450	158	15	151	304	dial18.hotline.net.au/202.139.25.49	4503
980510	7:46:26 AM	7700	188	15	168	872	dialup201-2-53.swipnet.se/130.244.201.117	4504
980510	8:08:40 AM	200	39	0	11	56	clsm-246ppp97.epix.net/205.238.246.97	4505
980510	8:12:23 AM	7950	205	17	173	455	clsm-246ppp97.epix.net/205.238.246.97	4506

980510	8:20:58 AM	4650	164	7	258	949	nic-c08-149.mw.mediaone.net/24.131.8.149	4507
980510	8:21:13 AM	5300	146	10	100	255	ppp13287.on.bellglobal.com/206.172.165.6	4508
980510	8:59:38 AM	9050	241	22	209	416	pm180-14.dialip.mich.net/198.108.246.24	4509
980510	9:02:16 AM	2750	162	5	41	207	43-pm1-cltx.hpnc.com/206.54.161.243	4510
980510	9:15:15 AM	7650	338	23	174	928	dial16.hotline.net.au/202.139.25.47	4511
980510	9:27:03 AM	2300	121	3	158	366	nic-c08-149.mw.mediaone.net/24.131.8.149	4512
980510	9:39:20 AM	7550	980	17	144	407	rdg-52t2-68.mweb.co.za/196.2.33.68	4513
980510	9:39:39 AM	14100	459	25	406	863	204.183.206.50/204.183.206.50	4514
980510	9:41:43 AM	450	19	0	33	39	ns000925.singnet.com.sg/165.21.189.35	4515
980510	9:43:33 AM	6000	94	13	121	343	ns000925.singnet.com.sg/165.21.189.35	4516
980510	9:53:02 AM	11150	303	24	388	938	ns000925.singnet.com.sg/165.21.189.35	4517
980510	9:57:37 AM	8900	260	20	200	510	ns000925.singnet.com.sg/165.21.189.35	4518
980510	10:01:53 AM	1250	64	2	14	28	nbtel3-166.nbtel.net/207.179.142.166	4519
980510	10:04:22 AM	17600	389	33	489	1041	ns000925.singnet.com.sg/165.21.189.35	4520

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