Corporate Fact Sheet

The Company

Founded in 1980, **Excalibur Technologies Corporation** (NASDAQ: EXCA) is the pioneer of innovative Knowledge Retrieval software solutions that transform information into knowledge. We empower people and enable organizations to quickly analyze, index, catalog, browse, access, search, retrieve and more easily share all enterprise knowledge assets, be they paper, text, images or video. We are the world's leading developer of high-performance software products for the intelligent search and retrieval of all knowledge assets, irrespective of media type, over LANs/WANs, intranets, extranets and the Internet. Excalibur products fulfill mission critical needs to leverage extant intellectual property to meet a need, solve a problem or answer a question.

Excalibur offers a full suite of software products and services; the **Excalibur RetrievalWare®** family of products helps enterprises perform large-scale knowledge retrieval tasks where accuracy, scalability and reliability are essential. The **Excalibur line of Video Analysis and Retrieval** products helps media-rich organizations capture, analyze, browse, search and retrieve all types of video-related assets.

Excalibur RetrievalWare® Family of Products

- **Excalibur RetrievalWare®** is an enterprise-wide knowledge retrieval system which allows broad flexibility and scalability for implementation across enterprise networks, intranets, and the World Wide Web. Excalibur RetrievalWare enables users to index and search a wide range of distributed information resources, including text files, HTML, documents, relational database tables, over 50 proprietary document formats (such as word processors and publishing systems), and groupware repositories. Advanced search capabilities include concept and keyword searching, pattern searching, and query-by-example. Excalibur RetrievalWare excels in distributed client/server environments with hundreds or thousands of users, documents, images and/or multiple media assets.

- **Excalibur RetrievalWare® FileRoom** is an Excalibur RetrievalWare extension for incorporating scanned paper-based assets into an organization's digital repositories. It uses revolutionary technology to capture, load, index and retrieve both image and text documents quickly, easily and accurately. Administrators create special Excalibur RetrievalWare Libraries that are presented to the user in a familiar hierarchy consisting of file rooms—cabinets, drawers, folders and documents. The containers combine to form an archive of the organization's paper-based knowledge assets that users can expand and browse apart from electronic-source documents. Excalibur RetrievalWare FileRoom is tightly integrated with the Kofax Ascent Capture input solution, and can be easily integrated with many other document capture solutions.

- **Excalibur Internet Spider** is a multimedia, high-performance web spider/crawler for augmenting the knowledge retrieval capabilities of Excalibur RetrievalWare®, for stand-alone use, or for integration with other applications. In addition to HTML-based web pages, Excalibur Internet Spider also retrieves word processing, PDF, and multimedia assets including speeches, video, and pictures. It is highly-configurable and multi-threaded and can crawl as deeply, broadly, and as often as is necessary. Users who want immediate notification when items of interest arrive can post Agent Profiles to pull links to related documents to their desktops. Components can be deployed on multiple machines for optimum performance and bandwidth.

Excalibur also has world-class solutions to meet your video and/or image management needs. For more information, contact Excalibur Technologies:

800-788-7758
International: +44 (0) 1344-893444
E-mail: info@excalib.com
http://www.excalib.com

FOREIGN BROADCAST INFORMATION SERVICE

Through its worldwide access to foreign media and other publicly available material, the Foreign Broadcast Information Service (FBIS) brings U.S. policymakers, and those who support them, open source intelligence from around the world.

To learn more about FBIS products and services, U.S. Government customers may contact FBIS Customer Service:

- ◆ (800) 205-8615 (CONUS)
- ◆ (202) 338-6735 (metro DC and international callers)
- ◆ FAX (703) 733-6042
- ◆ RUCWAAB/FBIS RESTON VA//CUSTOMER SERVICE// (DTS only).
- ◆ Mailing address:
      FBIS/Customer Service
      P.O. Box 2604
      Washington D.C. 20013

25

i2 Inc - world class tools for a worldwide user base
Established in 1990, i2 develops analytical software for the criminal investigative market. It is now the market leader in the provision of visualisation and analysis tools to law enforcement agencies and commercial organisations throughout the world. The Analyst's Notebook, the core product, is the leading software tool for investigative and intelligence analysis world-wide. It is now the international standard used by 1000s of analysts in over 500 organisations in more than 50 countries across the globe. i2 has bases in the US, the UK and Australia.

The Analyst's Notebook - the complete solution
The *Analyst's Notebook* is the complete solution for exploring, analysing, interpreting and displaying complex information. It allows you to produce charts in a range of formats: *link analysis* charts for showing different entities such as people, objects and organisations or the flow of commodities such as money and property; *network analysis charts* which extend the concepts of link analysis to large datasets; *sequence of events charts* which reveal how related events unfold over a time period and *transaction pattern analysis charts* where repeated activities are easily identified. The Analyst's Notebook can generate any of these charts automatically from a wide variety of computer-based sources.

Version 5 of the Analyst's Notebook, launched in March 1998, provides a range of new tools, but retains the ease of use, integration and flexibility which has made the Analyst's Notebook the international standard for criminal investigative analysis.

A range of products to supplement and extend the functionality of the Analyst's Notebook
The Analysts' Notebook is complemented by a number of other products developed to supplement and extend its functionality in specific areas of investigation. These products include:

- *iBase* - a database generation tool which enables users to rapidly design their own investigative databases, populate them with data and then analyse it using the Analyst's Notebook
- *iConnect* - i2's generic tool kit which seamlessly link the Analysts' Notebook to existing databases and other applications such as mapping systems. This allows you to automatically visualise the information contained in these databases or applications and analyse it using the full functionality of the Analyst's Notebook
- *iGlass* - a Crime Pattern Analysis tool which lets you explore your crime data, quickly identifying patterns and trends using charts and tables.

Proven technology across the globe
The Analyst's Notebook is proven by many years of operational use across the globe in a wide array of operational areas including:

- detecting money laundering
- combating fraud
- comparing insurance claims
- evaluating loan applications
- tackling counterfeiting

- analysing crime patterns
- criminal investigation
- proactive intelligence
- protecting national security
- business intelligence

To find out how the Analyst's Notebook can help you and to discuss more fully the i2 integrated solution to intelligence analysis, contact i2 Inc at our stand or contact us at 6551 Loisdale Court, Suite 600, Springfield, VA 22150 or call (703) 921 0195, fax (703) 921 0196. To download a demonstration visit our web site at www.i2inc.com
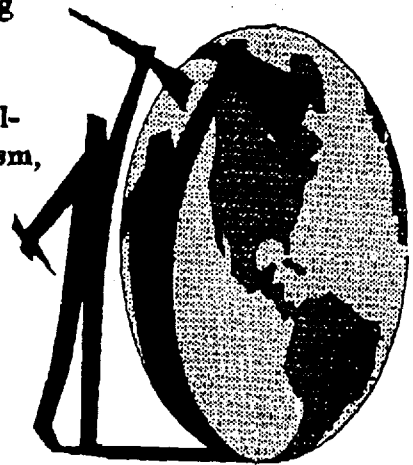
26

Jane's
INFORMATION GROUP

Jane's has been providing professionals in the defense/intelligence, transportation and law enforcement communities with accurate and reliable technical reference, market intelligence, analysis, near-real time and instantaneous news and information for more than a century.

New challenges facing the 21st century require new information tools to make your job easier. Jane's responds to these challenges with new intelligence and information for you to put to use in the areas of:

Emerging Threats - New and uncertain threats such as chem/bio warfare, proliferation of small arms, terrorist activity on US soil, computer hacking and narcotics trafficking have placed new challenges on state, local and national security. Jane's provides critical information on these emerging threats with **US Chemical-Biological Defense Guidebook and Chemical-Biological Defense Handbook, Jane's World Insurgency and Terrorism, Jane's Counter Terrorism Special Report, Terrorism Watch Report and Intelligence Watch Report.**

21st Century Military Technology - The increasing role of technology toward achieving 21st century warfighting capabilities have made intelligence on information warfare, leading-edge research and development and military and space technology critical. **Jane's US Military R&D** and its related electronic information services, **Jane's US Information Warfare and Jane's Space Monitor** address these matters of growing importance.

27

MANNING &NAPIER
INFORMATION SERVICES

Manning & Napier Information Services
1100 Chase Square
Rochester, NY 14604
Phone: 716-325-6880
Fax: 716-325-1036
Email: info@mnis.net
Web: http://www.mnis.net

Manning & Napier Information Services (MNIS) (www.mnis.net) and its R&D subsidiary, TextWise (www.textwise.com) offer advanced natural language retrieval and extraction technologies for government and corporate information needs. These include DR-LINK®, CHESS, HOBB™, and CINDOR for powerful information retrieval, extraction and visualization.

DR-LINK identifies entities (60+ extraction categories), subjects, trends, predictions, evaluations, temporal and other critical elements in current awareness and retrospective data.

CHESS extracts cause and effect relationships among entities within documents and allows data visualization over a large set of documents. CINDOR is an extension of DR-LINK being developed to enable an English inquiry to run across multiple languages simultaneously.
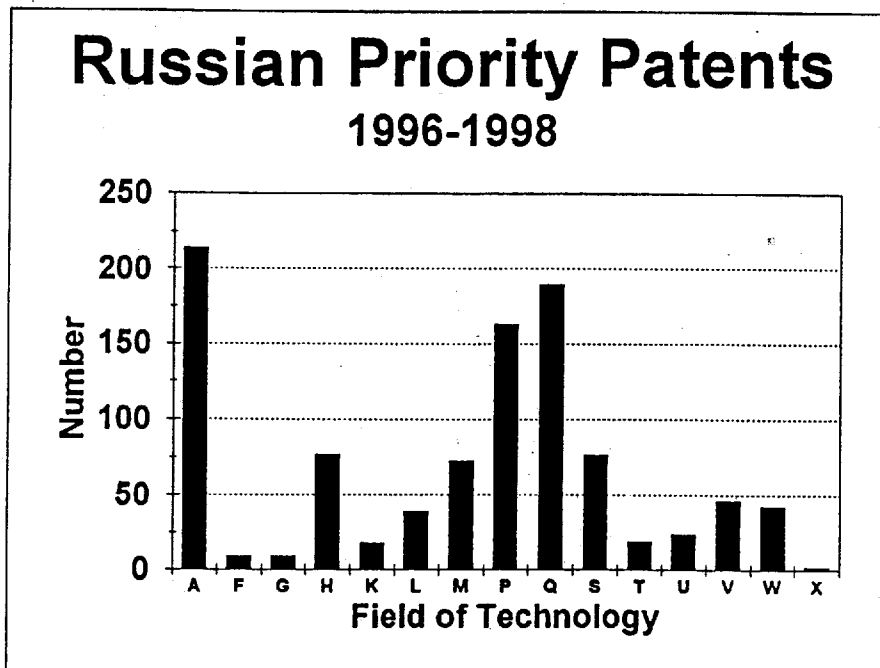
HOBB (High Performance Ontology Builder and Browser) is the perfect intelligence tool for discovering useful and actionable information in a relational database or any structured or unstructured data. By automatically and rapidly finding all co-occurrences and partial co-occurrences in the database, HOBB helps the user understand how all the pieces in the data relate to each other. If you have a relational database that has useful information hidden inside, but you don't want to bother with full data-mining models, HOBB is a must. In addition to tabular analysis, HOBB provides automatic visualizations through Venn Displays for comparing attribute-value pairs, and how they change over time.

See our technology in action at http://mnis.net/demo and http://www.afcea.org/drlink.

28

Do You Know What the Russians Have Been Patenting?
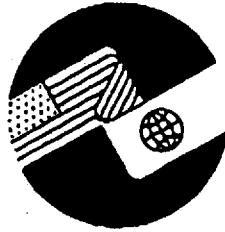
Russian Priority Patents
1996-1998

(The key to the figure will be at Exhibit Booth 9)

Mogee Research & Analysis Associates produce patent analysis reports for technical intelligence. We are the only company providing quantitative analysis of patenting in 40 countries, including the U.S., Japan, European countries, Russia, China, and more.

Contact Dr. Mary Ellen Mogee
Mogee Research & Analysis Associates
11701 Bowman Green Drive
Reston, VA 20190-3501
Phone: 703.478.2827 Fax: 703.478.3253 E-mail: info@mogee.com
Internet: www.mogee.com

29

Monterey Institute's
Center for Nonproliferation Studies

CNS Databases

The Center for Nonproliferation Studies (CNS) databases contain information compiled from over 340 source publications, including United Nations and International Atomic Energy Agency documents, trade journals, government and defense publications, periodicals and electronic news sources, academic journals, US congressional testimony, conference proceedings, book chapters, correspondence from international advisors, unpublished papers, and Internet sources. Subscribers include government ministries, intelligence services, law enforcement organizations, research institutes and private companies.

Nuclear Databases

The CNS Nuclear databases were created in 1986 and include over 17,000 abstracts and reports.

Missile Databases

The CNS Missile database was created in 1990, and contains over 7,000 abstracts of missile-related information.

Newly Independent States (NIS) Database

The Newly Independent States (NIS) databases were created in 1994 by the NIS Nonproliferation Project. The NIS databases contain an extensive collection of information on the nuclear industry and on nonproliferation issues in the Newly Independent States of the former Soviet Union.

China Profiles Database

The China Profiles database, created by the East Asia Nonproliferation Project, provides information on Chinese arms control, nonproliferation, and disarmament issues.

Contact Information: Melinda Lamont-Havers (Lamont-Havers@miis.edu) at (202) 478-3446 or Chris Fitz (cfitz@miis.edu) (408) 647-4193.

OXFORD ANALYTICA

Founded in 1975, Oxford Analytica is an international consulting firm which provides business and political leaders with timely analysis of worldwide political, economic and social developments. Oxford Analytica acts as a bridge between the world of ideas and the world of enterprise. One of its major assets is an extensive international network which draws on the scholarship and expertise of over 1,000 senior members at Oxford and other leading universities around the world, as well as think-tanks and institutes of international standing.

Clients of Oxford Analytica are able to integrate the judgements drawn from this unparalleled resource into their own decision-making process. Clients include multinational corporations, major banks, national governments and international institutions in more than 30 countries.

The Oxford Analytica Daily Brief Services

The Daily Brief Services provide clients with seven or eight analytical articles each business day throughout the year, covering both world and regional economic and political developments of major significance. These core services rest on a systematic and continuous tracking of world events. An Oxford Analytica Comprehensive Corporate Membership consists of all four services listed below.

1. **The World Service**
   The Oxford Analytica Daily Brief includes a one-page Executive Summary and 4-5 analytical commentaries each week day (2-3 pages each) relating to major political, economic or business developments shaping the invesment and trading climate worldwide.

2. **The East Europe Daily Brief**
3. **The Asia Pacific Daily Brief**
4. **The Latin America Daily Brief**

   Each Regional Brief comprises a specialised one page Executive Summary, and 1-3 analytical commentaries each week day (2-3 pages each) relating to the major political, economic or business developments which shape the invesment and trading climate in the region.

Membership to the World Service and/or the Regional Services, however can be provided separately. In addition, membership of any Service entitles clients to on-call consultation and interaction with Oxford Analytica's full-time professional staff and its worldwide network of experts.

Consultancy and Research Services

Oxford Analytica's Consultancy and Research
services focus on providing accurate intelligence and
analysis on economic, political, policy and sectoral
developments. Our services are tailored to match each client's needs
and can be provided on a one-off basis or as part of
an ongoing relationship with the client. We provide
high value-added, cost-effective content by
responding directly to the issues of concern identified
by the client.

The Oxford Analytica International Conference

The purpose of the Conference each autumn is to address the central issues
affecting the business environment in each of the major regions of the world
and so provide a coherent framework for developing corporate strategy on a
comparable worldwide basis.

The Conference is constructed around small group seminars led by teams of
distinguished scholars drawn from Oxford Analytica's global network. A ratio
of one expert to every two delegates ensures that discussion focusses on the
issues of principal concern to individuals. A concluding banquet at Blenheim
Palace, featuring a prominent international figure as guest speaker, is a highlight
of the conference.

*For more information, please contact Oxford Analytica, Inc.: 1101 17th
Street, N.W., Suite 406, Washington, D.C. 20036: phone 202 872 8877 or 872
9241; fax 202 296 9434. E-mail: KentWeber@compuserve.com*

32

POLYGENESYS

POB 747
MILL VALLEY, CA 94942
(415) 789-5211
(415) 435-2327 (fax)

ca@polygenesys.com
www.polygenesys.com

PRODUCT: POLYGON

APPLICATION AREA: Visualization, Crime Analysis and Intelligence, Link Analysis, Object Orientated Database, Document Processing, Organization and Management, Database Web Access.

DESCRIPTION: POLYGON is a software and information system specifically developed for the support of complex crime investigation, especially organized crime. The system is based on a new, object oriented and graphical method for modeling any kind of information (objects), creating and assigning any attributes and finding and visually displaying all relationships between objects contained in the database.
POLYGON is a graphical database manager that is compatible with any existing database system. It runs under all commercially used operating systems including Windows, NT, Unix and OS2. It is scalable from a single user system to nationwide enterprise systems.
POLYGON comes with sophisticated access protection and data security. It accepts, stores and retrieves any type of document including texts, graphics, photos, video and audio sequences, in short, any information that can be entered into a computer.
POLYGON is web compatible, can input and output to most legacy databases and offers replication for multi-server systems.

STATUS: Fully operational.

OPERATIONAL USE: POLYGON is used both as a local as well as a nationwide intelligence and analysis system for law enforcement agencies in many countries.

33

✦ SOURCES Investigative eJOURNAL and Global BRIEFINGS mission:

SOURCES is two hard-hitting, cutting-edge electronic publications dedicated to delivering intelligence that can save lives, businesses, and government operations worldwide. We aim to provide critical, timely information which better prepares individuals and entities for action and analysis. Topics include: info-security, espionage, terrorism/counterterrorism, operations security, money laundering, narco-trafficking/counternarcotics, organized crime, proliferation/weapons of mass destruction, and military preparedness.

✦ Who reads Investigative eJOURNAL and Global BRIEFINGS?

SOURCES readers span the globe. Our subscribers include security and surveillance professionals, intelligence officers, members of G2i List and military organizations, members of congress, law enforcement officials, info-security professionals, and academic and business communities.

✦ Who contributes to SOURCES?

Accomplished analysts and political journalists such as Anthony L. Kimery and Dr. Clifford Kiracofe investigate and write articles for SOURCES. Contributors include professional staff members from U.S. senate committees and intelligence agencies, such as Oleg Kalugin of the former KGB.

✦ How often is the site updated?

New stories are posted on an ongoing basis as soon as they break. Registered readers and subscribers receive email notification of articles as they break.

✦ What do I get when I subscribe?

Subscribers receive Global BRIEFINGS via email and have unlimited access to all current Investigative eJOURNAL articles for the subscription period. Archived articles are available for purchase at the News Shop.

✦ How do I subscribe?

Fill out the on-line secure order form. To pay by check or money order, you may alternatively print out, complete, and send the order form to: DSO Inc., 601 Van Ness, Suite e3425, San Francisco, CA 94102. Make checks payable to DSO, Inc. Subscription prices are: $250/year, $175 semi-annually, and $100/quarter.

✦ How will I receive Investigative eJOURNAL and Global BRIEFINGS?

The entire eJOURNAL is provided to subscribers who log in to our secure web site. BRIEFINGS are delivered via email.

✦ For information, contact sales@dso.com.

34

SRA International, Inc.

SRA International, Inc. is a systems integrator that provides high-value network solutions for business and government and focuses on national defense, health care management, civil government, law, telecommunications, and financial services markets. Its staff of more than 1,400 people serves clients from major corporate locations in Arlington and Fairfax, Virginia, and in key cities across the United States. Founded in 1978, SRA is celebrating 20 years of honesty, service, and success in creating value for clients.

For this conference, SRA is presenting several knowledge management applications which are currently being utilized in commercial and government solutions. These applications include information clustering, information extraction, data base mining and information processing systems.

BORG is our high speed clustering technology capability for clustering large volumes of multilingual text. Language clustering is followed by the clustering of content subsets within each language. This includes a Java-based cluster visualization for browsing the hierarchical topic tree.

NetOwl Extractor is an information extraction technology which is produced by SRA subsidiary, Isoquest. This is an automatic indexing system that finds and classifies key phrases in text such as personal names, corporate names, place names, dates, and monetary expressions.

Knowledge Discovery in Databases (KDD) is the application of Artificial Intelligence (AI) techniques to large datasets to discover important patterns implicit to the data. The core KDD process - data mining - is the execution of AI algorithms to uncover non-apparent data relationships. KDD includes the selection and transformation of data along with analysis and evaluation of data mining results.

OSS Early Bird is a prototype information processing system developed by SRA to provide OSS Inc. the capability to filter, process and prepare open source information into an information product for their customer base. This incorporates the fusion of multi-source information filtering and web based data into a form for executive editing and transfer to the customer via e-mail, maintaining all imbedded hyper links.

EventTool is an analyst interface to NetOwl Extractor which provides for analyst-in-the-loop information extraction and database ingestion. This allows the analyst to view for validation the extracted data from the processed material before ingestion in the database. Once accepted the validated data is automatically fed into the database.

SRA
INTERNATIONAL, INC.

Contact Information: Steve Ferrone
4300 Fair Lakes Court
Fairfax, VA 22033
Phone: (703) 803-1850
e-mail: steven_ferrone@sra.com

35

THE DIALOG CORPORATION.

No Better Source of Information in the World

With a combined databank over fifty times the size of the World Wide Web, The Dialog Corporation offers one of the most comprehensive and most authoritative sources of information available.

From analysts, to policy makers, from librarians to technical information specialists, from scientists to management consultants – more people depend on our data to make the decisions that count.

We will continue to strengthen our relationships with the world's leading publishers and open new markets for specialist information. While seeking to maintain a database that is an exhaustive source of information, we will constantly monitor our content with information professionals, users and publishers in the continuous search for added value.

Whether it's news, technical, scientific, medical, patent, international or business information you require, The Dialog Corporation will keep you better informed.

For additional information about our products, services and delivery options, access our homepage at www.dialog.com or call the local Dialog office at 703-524-8004.

36

The MITRE Corporation was formed in 1958 at the request of the government to provide scientific and engineering services that enhance the security of the United States and otherwise further public interest. MITRE has been dedicated to being on top of today's technology, and we are proud to present the following award-winning projects:

Broadcast News Navigator (BNN):
Demonstrated by Puck Yan. BNN is designed as a Web interface for News on Demand (NOD). So far, we have been able to evaluate system performance with different annotation tools, transcript audio and integrate with closed caption, process foreign stories, visually cluster related stories, as well as integrate NOD and Mapping Projects.

Smart Yellow Pages:
Demonstrated by Ray D'Amore.
- To collect information from search engines on the internet offline
  and use tools to analyze, visualize, and process the collected information

- Incorporate topical analysis tools, link analysis, and link visualization
  of internet document collections.

- Develop a high-speed interactive and adaptive information organization
  capability and provide foundation for parallelized clustering tools.

- Applications: post-retrieval pattern analysis and organization tools
  applied to world basic information library for open source (OSIS),
  Technology Navigator for Intelink OSIS and DTIC (Internet)

Technology Navigator:
Demonstrated by Edward Dandar. Technology Navigator is sponsored by the Defense Technical Information Center (DTIC) and rapidly tracks developments in Information Technology (IT), Measurements and Signatures Technologies (M&S), and other Non-Proliferation and Arms Control (NPAC) Technologies.

George Marling
Ph: (703) 883-7931
Fax: (703) 883-6801
E-mail: gmarling@mail106.mitre.org

Raymond D'Amore
Ph: (703) 883-1764
Fax: (703) 883-7978
E-mail: rdamore@mitre.org

Puck Yan
Ph: (703) 883-3658
Fax: (703) 883-7978
E-mail: pyan@mitre.org

Edward Dandar
Ph: (703) 696-2544
E-mail: edandar@dtic.mil

David Vine began his career in 1971 as a newspaper reporter at the New Haven (CT) Register. He was employed as a photojournalist at the Danbury (CT) News-Times from 1973 to 1975 when he left Danbury to pursue freelance writing and photography full-time. In 1977 he was licensed as a private investigator in Georgia. His freelance work, combined with a pilot's license, led him to the position of Public Information Officer with the Dade County Aviation Department, operator of six South Florida airports including Miami International.

In 1981 David Vine launched a public relations and marketing consultancy. By 1982 he had purchased a TRS-80 Model III for use in his business and began utilizing online services (CompuServe, Western Union's EasyLink and others) as well as computer bulletin boards. He focused on using these online resources to serve business purposes for his clients and as a means to uncover new business opportunities as well as to promote his business.

During the late 1980's Mr. Vine's consulting practice became more oriented toward strategic management issues. At the same time he became heavily involved in the computer field. In addition to creating marketing programs for computer hardware, software and online service providers, Mr. Vine was a contributing editor for Dow Jones News/Retrieval's subscriber magazine Dowline. He also wrote articles about computers and online services for regional and national business publications. Later he wrote for Internet World magazine.

Mr. Vine's consulting work today is focused on process and tools for business intelligence. He has completed projects for several Fortune 500 organizations as well as many other organizations. Since 1990 he has presented more than 200 seminars and workshops as well as other educational activities for local and national organizations and in-house training for major corporations. The firm also publishes an expanding line of Internet Help Guides.

Mr. Vine holds a Masters in Business Administration degree from Rowan College. Over the years he has held a variety of leadership positions in local, state national and international civic and professional organizations.

Some of the companies represented at our seminars...

Aetna	Cadbury Beverages	Harris Corp.	NYNEX
Agfa Div./Bayer Corp.	CIGNA	Hercules Inc.	Ortho Diagnostic
Allegheny Power	CitiBank	Hoechst Celanese Corp.	Parker Hannifin Corp.
Am Re Services Inc.	Columbia Gas of Ohio	Honeywell	Pfizer
American Express	Coopers & Lybrand	IBM	Philips Lighting Co.
American Inst. of CPAs	Corning Besselaar	J.M. Huber Corp.	Prudential Bank
American Intl. Group	Crum & Forster	Kepner Tregoe	Prudential Insurance
American Petroleum Inst.	Decision Strategies Intl.	Konica Bus. Machines	Public Service E&G
Arthur Andersen	Deloitte & Touche	Korn Ferry Intl.	Sandoz Pharmaceuticals
AT&T	Diebold Inc.	KPMG Peat Marwick	Schering-Plough Corp.
Barnett Bank NA	Dow Jones & Co.	Kurt Salmon Assoc.	Solvay Pharmaceuticals
BASF Corp.	Educational Testing Svc.	Lazar Levine L.L.P.	SRI Consulting
Bell South	Elf Atochem NA	Lenox Inc.	The Hibbert Group
Bellcore	Engelhard Corp.	Louisville G&E	The Hoover Co.
Beneficial Corp.	Ethicon Inc.	Lucent Technologies	TRW Inc.
Blue Cross/Blue Shield-FL	Financial Times	Mack Trucks Inc	Union Camp Corp.
Boehringer Ingelheim	FW Dodge	MetLife	Union Carbide
Bristol-Myers Squibb	GATX Logistics Inc.	Nationwide Insurance	Volvo Cars of N. Am.
Brother International	General Motors	Norfolk Southern Corp.	Warner Lambert Co.

38

PROCEEDINGS 1998 7th International Conference & Exhibit OPEN SOURCE SOLUTIONS: Global Intelligence Forum - Link Page

Return to Electronic Index Page