Audrey Kathleen Hennessey is a data scientist, researcher, and educator whose work has primarily focused on systems, information processing, and organizational automation. Hennessey was born in Fairbanks, Alaska in 1936. She studied at Stanford University, earning a BA in Public Administration in 1957. Hennessey began her career in Ampex Corporation’s Data Processing Department, before eventually going on to earn an HSA in Education from the University of Toronto in 1968. She was a Lecturer at Manchester Polytechnic (which later became Manchester Metropolitan University) from 1970 to 1980, and at the University of Manchester from 1980 to 1982. She additionally served as an Assessor of Information Systems Analysis and Data Processing for the British Department of Education and Science. She also earned her Ph.D. from the University of Lancaster in 1982, with her doctorate research focusing on early systems methods and their relevance to complex multidimensional settings. Her later research and publications would include topics such as systems analysis, automated visual inspection, object-oriented languages, knowledge-based image analysis, and neural networks.

After earning her Ph.D., Hennessey went on to teach at Texas Tech University from 1982 to 2001. Serving as director of Texas Tech’s Institute for Studies of Organizational Automation (ISOA), a systems research laboratory focusing on incorporating automation into organizations, Hennessey undertook a variety of enterprises, including commercializing intellectual property from TTU. ISOA was eventually spun-off to the private company Innovative Solutions for Automation (ISOA, Inc.). As a private company, ISOA worked as a supplier of embedded software for tool vendors and automated wafer inspection systems for semiconductor manufacturing facilities, among other ventures. Over the years, ISOA worked with clients such as IBM, Boeing, Texas Instruments, Digital Equipment, Xerox, Sony, Leica, British Airways, Hewlett-Packard, Sun Microsystems, Tokyo Electron, Electroglas, and the United States Naval Intelligence. The company was sold to Rudolph Technologies in 2002.

Hennessey served on the American National Standards Institute’s Committee on Information Systems Standards and was a senior member of the Society of Manufacturing Engineers. She received the Halliburton Award for Excellence in Teaching and Research in 1986. In 1992, she received the Distinguished Information Sciences Award (DISA) from the Data Processing Management Association (DPMA) for her contributions to the information processing profession; the DISA had previously been awarded to figures such as Grace Hopper, David Packard, and Ross Perot.

Scope and Contents
The Kathleen Hennessey papers include a wide range of materials, largely centered around computer science and information processing. The bulk of the material originates from Hennessey’s tenure at Texas Tech University, particularly her involvement with the Institute for Studies of Organizational Automation (ISOA).
ISOA materials include research lab notebooks, meeting notes, research literature, grant applications, interdepartmental correspondence, diagrams, instruction sheets, and layout forms. The collection as a whole contains approximately 21 issued patents and 50 grants and contracts.

The Hennessey papers also contained numerous academic materials in the fields of information science and computer science. These include academic journals and publications (some of which contain Hennessey’s own published articles), conference proceedings, and numerous early textbooks dealing with topics such as data processing, systems analysis, and object-oriented programming languages.
Teaching materials from Hennessey’s work at Manchester Polytechnic, the University of Manchester, and Texas Tech University include presentations, assignments, and related textbooks. The main subjects of these materials are systems analysis, information systems, computers in education, and COBOL and BASIC programming.
Finally, the collection contains numerous examples of early computer hardware, such as wired plugboards, punchcards, silicon wafers, circuit boards, blackboards with plugboard layouts, and an acoustic coupler modem. There are also manuals for early computer systems like IBM 1440 and 360, and COBOL DOS and OS.
Materials containing the confidential information of students and employees, as well as sensitive legal documents, are restricted, and will be closed for research until 2050.

Within each series, materials are arranged by the order processed.

**Conditions Governing Access**

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Material in Series 4 is CLOSED until 2050.

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**Preferred Citation**

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**Immediate Source of Acquisition**


**Subjects and Indexing Terms**

Computer science.

Computer scientists.

Hennessey, A. Kathleen

Hennessey, A. Kathleen

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**Series 1. Research and Teaching**

**Scope and Contents**

This series contains material relating to research and academic publications. The bulk of the material originates from the early-to-mid 1990s.

**box 1, box 2**

**Periodical lists**

**Scope and Contents**

Photocopies of covers of publications.

**box 3, folder 1**

**Arpanet Project -University College London Annual Report 10/74 - 12/75. Professor Peter T. Kirstein**

**Scope and Contents**

This report summarizes the work at University College London (UCL) on research into, and use of, the ARPA Computer Network. It discusses early works on a Packet Satellite Project, and measurements at a high level of the characteristics of usage via UCL of network hosts. The research reported here was partially supported by the US Office of Naval Research under Contract N00014-74-C-0280.

**box 3, folder 2**

**Gamma Cell Research. Hennessey**

**Scope and Contents**

Research materials regarding the process of inserting values into a Gamma net.

**box 3, folder 3**

**Gamma Switch Gamma Network Research**

**Scope and Contents**

Research materials regarding the physical and logical data structure. This piece discusses the application of the gamma network algorithm. A type of crossbar switch is needed to provide the switching logic at the nodes of the network.
box 3, folder 4  
**J. Walrath M.S. Thesis**  
Scope and Contents  
Application of John G. Walrath to Doctoral Program

box 3, folder 5  
**Network Interconnection Research. L. Pouzin**  
Scope and Contents  
Research regarding techniques for interconnecting networks

box 3, folder 6  
**Alphanumeric Data Entry Terminals. Najah Haffah Nov. 1997**  
Scope and Contents  
Purpose of paper is to presents a Virtual Terminal corresponding to the class of Intelligent Terminals used for alphanumeric data entry applications.

box 3, folder 7  
**Database Organization Midterm Examination. Texas Tech Univ. Class: CS4354**  
Scope and Contents  
2 copies of a midterm examination on database organization.

box 3, folder 8  
**The Computer and the Clerk. Enid Mumford and Olive Banks**  
Scope and Contents  
The British Library of Business Studies. Documentation regarding the management of change relative to change in technology.

box 3, folder 9  
**Personnel Practice Bulletin Managers: Can they live with the Computer? Enid Mumford March 1967**  
Scope and Contents  
Vol. 23, No.1, Pp 7-15 Manchester Business School, Manchester, England Bulletin addressing the problems Managers experience when faced with the changing environment. How managers are affected by when computers are used more and more in their work environment.

box 3, folder 10  
**LAN Communications Proposal. Kent B. Meeks November 1993**  
Scope and Contents  
Texas Tech University Health Sciences Center This proposal addresses the request for funding approval for the implementation of a staged pilot project that will ultimately result in the establishment of a Texas Tech Complex-wide Local Area Network (LAN).

box 3, folder 11  
**Tekelec. Tekelec**  
Scope and Contents  
Folder containing Tekelec communication products and services. Includes information regarding Simulation & Application software for the Chameleon (C Language Support).

box 3, folder 12  
**Machine Dialog Design. N/A Circa 1982**  
Scope and Contents  
Bibliography and Resources for Machine Dialog Design.

box 3, folder 13  
**Neural Net Packet Data. David W. Tank John J. Hopfield**  
Scope and Contents  
Report: Electronic circuits based on neurobiological models are able to solve complex problems rapidly.
**box 3, folder 14**

**Neural Network Research Documentation. IEEE March 1988**

*Scope and Contents*

Art of Adaptive Pattern Recognition by a Self-Organizing Neural Network, Computing with Structured Neural Networks, Gamma Cell, and Gamma Network documentation.

**box 3, folder 15**

**Neural Networks ICNN.I**

*Scope and Contents*

Research Documentation: Gamma cell structure diagrams. Includes a review on Neural Networks by Francis F. Muguet, an research article written by Doctor Hennessey and J. Walrath - "The Gamma Network – A Physical & Logical Data Structure.

**box 3, folder 16**

**Gamma Network as Architecture for Neural Networks Research. K. Hennessey, Ph.D. E. Farley, M.S.**

*Scope and Contents*

Research regarding gamma networks as an interconnection architecture for neural networks.

**box 3, folder 17**

**Asymptotics Applied to a Neural Network. Jack Silverstein**

*Scope and Contents*

A mathematical model of neural processing is proposed which incorporates a theory for the storage of information.

**box 3, folder 18**

**Neural Net Content Addressable Memories**

*Scope and Contents*

Research documentation discussing processors that recall information.

**box 3, folder 19**

**Lotus 123 Macros for Artificial Intelligence Applications. K. Hennessey, Ph.D. & Goutham Sinha, M.S**

*Scope and Contents*

ORSA/TIMS - ST. LOUIS (October 25-28, 1987) Research documentation regarding reproductive programming as it relates to artificial intelligence applications, as well as the tools for basic introspection into program language development.

**box 3, folder 20**

**ORSA. K. Hennessey, Ph.D.**

*Scope and Contents*

The Translation of a COBOL Data Structure to an entity-relationship type conceptual schema.

**box 4, folder 1**

**ORSA Artificial Intelligence Special Interest Group Newsletter. ORSA Society of America January 1987**

*Scope and Contents*

Quarterly Artificial Intelligence Newsletter. Each issue includes O/MS/AI applications and reviews of activities, surveys, and conferences.

**box 4, folder 2**

**ORSA. K. Hennessey, Ph.D.**

*Scope and Contents*


**box 4, folder 3**

**Information Retrieval Research**

*Scope and Contents*

Research Documentation regarding information retrieval systems.
box 4, folder 4  Programming Research Document  
Scope and Contents  
Research regarding: Divide-and-conquer programming techniques.

box 4, folder 5  Image Talk  
Scope and Contents  
Documentation (including diagrams on transparencies) regarding the stages in database system development.

box 4, folder 6  Robby D. Garrison  
Scope and Contents  
Research Documentation by Robby D. Garrison

box 4, folder 7  Document Retrieval. D.J. Harper and C.J. Van Rijsbergen  
Scope and Contents  
An evaluation of feedback in document retrieval using co-occurrence data.

box 4, folder 8  CS4354 – Database Organization  
Scope and Contents  
Research documents describing Database Organization (includes definitions, drawings notes and tests).

box 4, folder 9  Network Management  
Scope and Contents  
Multiple documents: Bulletins, research articles regarding: Digital Signal Processor Accelerators for Neural Network Simulations, Neural Coding, Spike Train Analysis.

box 4, folder 10  Data Com. Jeremiah F. Hayes August 1978  
Scope and Contents  

box 4, folder 11  Speech Recognition. Yasuhisa Niimi, Yutaka Kobayashi, S. Sheshadri, M.B. Waldron  
Scope and Contents  
Multiple papers: One paper describes a speech recognition system developed as a voice-input programming system. Another paper presents some possible acoustic feature differences between natural and synthesized speech.

box 4, folder 12  Existing and Future Networks. Louis Pouzin  
Scope and Contents  
Paper about packet switching technology (their evolution), public data transmission, networks,

box 4, folder 13  Database Machines. Britton Lee  
Scope and Contents  
Britton Lee developed a high performance database computer. This folder contains a manual and articles on the Britton Lee machine.

box 4, folder 14  INDRA Networks. C.S. Raghavendra and A. Varma  
Scope and Contents  
Scientific Paper: INDRA networks are multistage redundant path interconnections for high performance multiprocessor systems.
box 4, folder 15  **Srinath Thesis. B. Srinath**  
Scope and Contents  
This paper develops a schema for conceptual database design.

box 4, folder 16  **CS4354 Database Organization 2. K. Hennessey, Ph.D.**  
Scope and Contents  
Notes, Syllabus, final exam, transparencies and papers from CS4354 Database Organization Fall Semester 1985.

box 4, folder 17  **Bioanalogy**  
Scope and Contents  
The material included in this folder demonstrates how the biologically-based analysis and modeling method was used to deal with the problem of introducing data processing topics into the secondary schools computing curriculum.

box 5, folder 1  **Lab Information Systems. K. Hennessey, Ph.D.**  
Scope and Contents  
Research materials regarding the automation and development of sophisticated office information facilities for business record-keeping and report generation. The research reported here was partially supported by the US Office of Naval Research under Contract N00014-74-C-0280.

box 5, folder 2  **Dissertation Guidelines. K. Hennessey, Ph.D. 1985**  
Scope and Contents  
Guidelines for preparing The Doctoral Dissertation.

box 5, folder 3  **ISMM. The International Society for Mini and Microcomputers 2/1987**  
Scope and Contents  

box 5, folder 4  **Implementation Threshold Logic. Earl T. Farley and Dwight Haworth**  
Scope and Contents  
Research documentation: Threshold logic used to demonstrate the feasibility of a learning system which increases production output. Disc included

box 5, folder 5  **Neural Network Review. Anza Research, Inc. 1988**  
Scope and Contents  
Vol 2, Number 3 Review including neural network studies. Disc included

box 5, folder 6  **Neural Networks - Call for Papers. International Journal of Neural Networks**  
Scope and Contents  
Bulletin announcing new quarterly journal and requesting research materials.

box 5, folder 7  **Small Business Audit**  
Scope and Contents  
Includes an assortment of publications regarding small business strategies and reforming small business.

box 5, folder 8  **EDS**  
Scope and Contents  
Information regarding opportunities at EDS for Texas Tech students.
box 5, folder 9

IBM

Scope and Contents
Invitation to attend a reception: IBM, Austin. Re: summer jobs for faculty, shared research interests, short courses, exchange of personnel, and early retirement shared professorships.

box 5, folder 10

Women’s Studies Programs. 07/1985

Scope and Contents
Information regarding a variety of Women’s Studies Programs. Includes a summary of a planning session for the development of a publicity campaign.

box 5, folder 11

Spreadsheet Techniques International Journal of Microcomputer Applications. Dr. K. Hennessey, Ph.D.

Scope and Contents
Review Form regarding a paper that provides a set of specific suggestions for writing Lotus 1-2-3 macro programs. The suggestions are useful for a practitioner knowledgeable in the Lotus 1-2-3 macro language.

box 5, folder 12

Paul Randolph. Dr. K. Hennessey, Ph.D. and Paul Randolph

Scope and Contents
Summary/Notes from a Conference on Information Systems. Includes a paper on Compaction, Indexing and Retrieval of a Medical Diagnosis Database.

box 5, folder 13

Microcomputer-Based Learning. Dr. K. Hennessey, Ph.D., J.R. Edgar and Ravi Shankar

Scope and Contents
Paper describing the development of computer-based training learning systems.

box 5, folder 14

Self Reproductive Computer Architecture. Dr. K. Hennessey, Ph.D. and Goutam Sinha, M.S.

Scope and Contents
A feature of von Neumann and Codd’s concepts of self-reproducing cell automata such as embedding the device description and the means to construct a replicate within the device itself.

box 5, folder 15

Boundaries Transparencies

Scope and Contents
Assorted Transparencies

box 5, folder 16

Cobol Book

Scope and Contents
Proposal for the development of a computer based system for instruction in Cobol.

box 5, folder 17

Grad School Dean. Thomas Langford

Scope and Contents
Letter from the Office of the Dean

box 5, folder 18

Design for Highly Structured Distributed Software. Arthur Oldehoeft and Masaaki Mizuno. May 1985

Scope and Contents
Department of Computer Science Iowa State University/Ames, Iowa 50011 Preliminary Design Specifications for Highly-Structured Distributed Software Using Resource Modules
box 5, folder 19  
**Tuning Architectures to Semantic Definitions. David A. Schmidt, April 1985**
Scope and Contents
Department of Computer Science Iowa State University/Ames, Iowa 50011 Proposed method for inducing a compiler and architecture from a language's continuation-style denotational definition.

box 5, folder 20  
**R-N-Cube Project**
Scope and Contents
Research notes and drawings

box 5, folder 21  
**Gamma Network Database Machine. Dr. K. Hennessey, Ph.D.**
Scope and Contents
Proposal for the development of a Gamma Network Database Machine for Engineering and Defense Applications

box 5, folder 22  
**Networks - System Design**
Scope and Contents

box 5, folder 23  
**Computer Crime**
Scope and Contents
Research Documentation and Transparencies on topics related to computer crime (Hacking, Computer Fraud, etc).

box 6, folder 1  
**Intel Proposal. Dr. K. Hennessey, Ph.D. and Dr. W. Marcy**
Scope and Contents
Proposal for Development Software

box 6, folder 2  
**FLETC - Computer Crime Seminars. 1987**
Scope and Contents
Research documentation from FLETC Seminars regarding computer crime.

box 6, folder 3  
**FBI - Computer Crime Seminar**
Scope and Contents
Documentation related to the creation and prosecution offenses involving computers.

box 6, folder 4  
**Reviews. Dr. K. Hennessey, Ph.D.**
Scope and Contents
Request for Publication of paper entitled “von Neumann and Codd revisited.

box 6, folder 5  
**Error Analysis. Dr. K. Hennessey, Ph.D. and Andrew Sage**
Scope and Contents
Letter of Acceptance of material for publication. Manuscript: SMC 084-07-0346
Error-Based Analysis of Information System Interfacing

box 6, folder 6  
**Interactive Authoring System on Small PC. Dr. K. Hennessey, Ph.D. and M. Hardwick**
Scope and Contents
box 6, folder 7  Computer Services Manuals. Texas Tech University  
Scope and Contents  
Manuals from the Computer Services Department: Utilities and Introduction to CMS. 
Notes from these courses.

box 6, folder 8  Gamma Database Proposal. Dr. K. Hennessey, Ph.D. and M. Parten Ph.D., Kim You Mau, Kwang Soo Hahn and Chau Ck  
Scope and Contents  
Research and Development Proposal for a Network Database Machine.

box 6, folder 9  OCR ScanData Ltd. John Coates  
Scope and Contents  
Seminar manual and information regarding Scan Data systems and software.

box 6, folder 10  Microcraft Spice. S.A. Bell L.M., Ericsoon & Co., Dr. K. Hennessey, Ph.D. and Dr. Chen Long Wey  
Scope and Contents  
Research documentation regarding a Circuit Design Package Linked to Spice for EE Students.

Scope and Contents  

box 6, folder 12  IBM Corporation - Proposed Investigation Document. Dr. K. Hennessey, Ph.D. and M. Hardwick  
Scope and Contents  
Proposal for IBM Corporation to develop a “laboratory of the future” facility based on the IBM Series 9000.

box 6, folder 13  Using Micro Computers for Teaching Cobol  
Scope and Contents  
Research paper describing the use of microcomputers to teach Cobol.

box 7, folder 1  Graphical Document Interchange. Dr. K. Hennessey, Ph.D.  
Scope and Contents  
Research paper describing the challenges of the interchange of electronic documents.

Scope and Contents  
Analysis of algorithms for color analysis in woven textile structures.

box 7, folder 3  Package Documentation. Dr. K. Hennessey, Ph.D.  
Scope and Contents  
Research documentation: Intro-tutor package designed for use on the TI 99/4A or 99/2 home computers. Describes three program suites which produce a series of displays.

box 7, folder 4  Computer Assisted Instruction Facilities. Dr. K. Hennessey, Ph.D.  
Scope and Contents  
Memo describing the outcome of a summer development grant. Research documentation to support the outcome is included.
<table>
<thead>
<tr>
<th>Box &amp; Folder</th>
<th>Description</th>
</tr>
</thead>
</table>
| 7, 5         | Knowledge Based Systems Design Manuscript  
**Scope and Contents**  
John Wiley & Sons. Correspondence from John Wiley & Sons regarding the receipt of sample materials: Knowledge Based Systems Design. |
| 7, 6         | SD Book - West. Dr. K. Hennessey, Ph.D.  
**Scope and Contents**  
Correspondence between Dr. Hennessey and West Educational Publishing. Sample Prospectus/Outline addressed to Ms. Molly Smith Weber, Business Editor - West Publishing Company. |
| 7, 7         | Database Engineering - WC Brown  
**Scope and Contents**  
Correspondence from Earl McPeek at W.C. Brown requesting materials regarding database engineering. |
| 7, 8         | Database Management Systems  
**Scope and Contents**  
Research documentation describing: "What is a Database Management System?,” Data Structures, The Relational DBMS Model, and Temporal Databases. |
| 7, 9         | Datacom – Future Apps. Dr. K. Hennessey, Ph.D.  
**Scope and Contents**  
List of Market Opportunities and Problems with Advanced Data Communications Facilities (Hospitals, Banks, Public Health, Pharmacology) |
| 7, 10        | Neural Net Switching. Mr. Miao  
**Scope and Contents**  
Research documentation regarding the telephone switching system – Rearrangeable Switch Using Neural Networks. |
| 7, 11        | University Microfilms  
**Scope and Contents**  
General information concerning the program for the Microfilming and Publication of Doctoral Dissertations for Use of an Individual Who Has Received a Doctorate from an Accredited School. |
| 7, 12        | Dynamic Balancing System  
**Scope and Contents**  
Research materials, documentation and papers regarding the use of microcomputers in medical laboratories for data acquisition, processing and storage. This research focuses on the use of the microcomputer to dynamically monitor lab instruments with flexibility within certain ranges. Dynamic Balancing System (DBS). |
| 7, 13        | Research Facility  
**Scope and Contents**  
Research paper regarding the development of methods to obtain, refine and communicate the informed judgments of knowledgeable people. |
| 7, 14        | Automated Testing System  
**Scope and Contents**  
Reports, research materials and documents related to automated testing systems. |
Series 1. Research and Teaching

box 7, folder 15  Reproductive Programming. Dr. K. Hennessey, Ph.D. 1985
Scope and Contents
Research paper regarding High Level Reproductive Programming.

box 8, folder 1  Software Tracking and Report System. Kevin Autrey 12/1986
Scope and Contents
Research paper by Kevin Autrey. System Maintenance Guide for software tracking and report systems.

box 8, folder 2  National Supercomputer Access Network
Scope and Contents
Research information regarding Texas Tech projects requiring supercomputer access.

box 8, folder 3  Computer Assisted Testing Center (Proposal). Paul Randolph
Scope and Contents
Proposal to the DPMA Education Foundation for Software Development for a Computer Assisted Testing and Instruction Center.

Scope and Contents
News publication regarding a time saving process of analyzing organisms.

box 8, folder 5  PeachText 5000. Peachtree Software Inc. 1983
Scope and Contents
Documentation regarding PeachText 5000

box 8, folder 6  OCR - Hal Olimb
Scope and Contents
Research paper regarding optical character recognition.

box 8, folder 7  Gamma Networks Research
Scope and Contents
Research documentation on Gamma Networks.

box 8, folder 8  Equel/Fortran Form. Data 1983 Version 2
Scope and Contents
FormData Sample Program.

box 8, folder 9  Sample Pilot Program (Banking/Teller System) -Transparencies. Dr. K. Hennessey, Ph.D.
Scope and Contents
Transparencies for lecture course. Banking/Teller System Pilot Program.

box 8, folder 10  SPICE Transparencies. Dr. K. Hennessey, Ph.D.
Scope and Contents
Transparencies for lecture course. SPICE.

box 9, folder 1  ODA - Paris Conference. K. Hennessey, Ph.D. 11/1990
Scope and Contents
Summaries, articles, correspondence and notes relative to Organizational Automation.
box 9, folder 2  **ODA - Proposed Form Display Profile (French). K. Hennessey, Ph.D. 1990**
Scope and Contents
Summaries, articles, correspondence and notes relative to Organizational Automation. Institute for Studies of Organizational Automation. Texas Tech University. Master copy of research documentation (French language version): Traitement et Conversion des Formulaires en ODA.

box 9, folder 3  **ODA -ANSI-X3VI. K. Hennessey, Ph.D. 1990**
Scope and Contents
Appendix A of the Form Display Profile.

box 9, folder 4  **NIST Workshop. 1990**
Scope and Contents
Notes from the NIST Workshop: Relationship between the GOSIP FIPS and Data Exchange Format FIPS.

box 9, folder 5  **ODA SIG Meeting. 1990**
Scope and Contents
Notes related to the ODA Special Interest Group of the OSI Implementors Workshop. Topic of meeting: Generic forms description in ODA.

box 9, folder 6  **X3VI Meeting - Ventura. 1990**
Scope and Contents
Notes from the X3VI Meeting. Attendance List and Contact Information. Courtesy of Roy Pierce.

box 9, folder 7  **AVI. 1990**
Scope and Contents
Notes and transparencies regarding: Automated Visual Inspection Using Syntactic Representation. Other research included: Direct Acquisition of Expert Knowledge Rules, Object Description Facilities, Defect Characterization, Image Grammar, etc.

box 9, folder 8  **AVI - Fuzzy Grammar. Dr. K. Hennessey, Ph.D. and YouLing Lin and Wan Sang Wong**
Scope and Contents
Proposal, transparencies and notes regarding Knowledge Based Image Analysis of Surveillance Images for Inspection During Manufacturing.

box 9, folder 9  **ASME. Dr. K. Hennessey, Ph.D and Kwang Soo Hahn and YouLin Lin**
Scope and Contents
Research documentation regarding Automated Visual Inspection (Syntactic Representation) Systems. Also includes conference notes from the 1st conference in Semiconductor Manufacturing.

box 9, folder 10  **Texaco. Dr. K. Hennessey, Ph.D**
Scope and Contents
Meeting notes. Object Oriented techniques, electronic forms management, neural networks, knowledge based systems, etc.

box 9, folder 11  **Artificial Intelligence - Univ. Alaska. Dr. K. Hennessey, Ph.D**
Scope and Contents
Announcement regarding the availability of AI facilities that can adapt and examine as well as analyze and recognize developing patterns.
Texas Manufacturing Institute - Conference. Dr. K. Hennessey, Ph.D
Scope and Contents
The Univ. of Texas at Arlington: Information regarding the effort to promote manufacturing and the staffing of an exhibit at the MICON Conference on Electronic Technology.

Neural Nets on Philosophy. Dr. K. Hennessey, Ph.D
Scope and Contents
Lecture notes on the impact of neural nets on philosophy.

ORSA - TIMS. Oct. 23-26 1988
Scope and Contents
Book from the ORSA/TIMS meeting in Denver. The theme of the meeting and contents of the book are related to Solving Urban Problems OR/MS in Action.

Scope and Contents

SME - Speaker’s Notebook
Scope and Contents
Society of Manufacturing Engineers Speaker’s Notebook – Semi Conductor ‘90 Manufacturing Conference.

Sponsors - National Institute of Justice. U.S. Department of Justice
Scope and Contents
Program Announcement – Research Program Plan – Fiscal Year 1989

NSF
Scope and Contents
National Science Foundation. Summary of Awards, articles and research in Information Science and Technology.

Sponsors - MCC
Scope and Contents
Microelectronics and Computer Technology Corporation. Research documentation on the XEROX 1108 workstation

NCNB Texas
Scope and Contents
Thank you letter from NCNB for giving a tour of Tech’s computer facilities.

Sponsors - US West. Dr. K. Hennessey, Ph.D
Scope and Contents
Letter offering to present a half-day seminar for US West Bank.

Sponsors - Energas. Dr. K. Hennessey, Ph.D
Scope and Contents
Letter/correspondence regarding the changing of forms by the data processing center employees.
box 10, folder 8  **Sponsors - Army/ Corps of Engineers**  
Scope and Contents  
Form 33: Solicitation, Offer And Award. Letter from Chester E. Bochenko, Small & Disadvantaged Business Utilization Specialist. Request for further development for West Texas.

box 10, folder 9  **Air Force Projects**  
Scope and Contents  
Summer research program documentation, & notes. United States Air Force Office of Scientific Research. Universal Energy Systems. Disc was inside folder

box 10, folder 10  **University of Colorado. Winter 1988**  
Scope and Contents  
Books, brochures, reports and portfolios on courses and seminars offered at the Univ. of Colorado

box 10, folder 11  **HCFA**  
Scope and Contents  
Research documentation related to the Health Care Financing Administration (HCFA). Includes Master Contract.

box 10, folder 12  **Packard Foundation. Dr. Paul Randolph and K. Hennessey, Ph.D. 11/1988**  
Scope and Contents  
Proposal submitted to The David and Lucile Packard Foundation. The objective for the proposed project is to develop a centralized medical records database system for retrieval and transfer of medical records. *Disc included

box 10, folder 13  **Medicalis**  
Scope and Contents  
Medicalis/Dentalis discs (2). Two copies of a book describing the Medicalis System VI software. Also included in this file is an IBM Supercomputing Competition document.

box 10, folder 14  **Wang Laboratories**  
Scope and Contents  
Correspondence between K. Hennessey and Wang Laboratories.

box 10, folder 15  **Sponsors - Criswell Leasing, Inc.**  
Scope and Contents  
Correspondence between K. Hennessey and Criswell Leasing, Inc. confirming the transferring of 16 Televideo Model 950 Computer Terminals and the user guide.

box 11, folder 1  **XEROX**  
Scope and Contents  
Business cards, phone numbers. Correspondence between K. Hennessey and Mr. Lee Bain at Xerox regarding a research project and three samples of slides to be digitized. Wall Street Journal article from 1985

box 11, folder 2  **Sponsors - TEXIS**  
Scope and Contents  
Correspondence regarding a Texas Information System Meeting.

box 11, folder 3  **Sponsors - Southwest Airlines**  
Scope and Contents  
Correspondence between SWA and K. Hennessey.
box 11, folder 4  **ODA - Proposal DARPA. Dr. K. Hennessey, Ph.D**  
**Scope and Contents**  
Correspondence regarding the submission of a proposal to DARPA entitled “Knowledge-Based Image Analysis in Symbolic Space.” A copy of the proposal and all correspondence is included.

box 11, folder 5  **Defense Nuclear Agency.**  
**Scope and Contents**  
Research documentation and reports regarding a visit to the U.S. Army Construction Engineering Research Laboratory (USA-CERL), July 1991.

box 11, folder 6  **Centers - ISOA**  
**Scope and Contents**  
Correspondence between Professor J.R. Burns and K. Kawamura, Ph.D. regarding being unable to attend a conference.

box 11, folder 7  **Centers - NYU CRIS**  
**Scope and Contents**  

box 11, folder 8  **Centers - ORS**  
**Scope and Contents**  

box 11, folder 9  **Consumer Complaint Form**  
**Scope and Contents**  
Copies of the Consumer Complaint form from the Attorney General, Jim Mattox.

box 11, folder 10  **Catalog of Research Opportunities. 1992**  
**Scope and Contents**  
National Research Council – Research Associateship Programs

box 11, folder 11  **AVA - TI**  
**Scope and Contents**  
Research documentation: Wafer Fabrication, Master Make File, Interface Schedules, AVA3 Inspection File Documentation, semiconductor industry information, etc.

box 11, folder 12  **AVA - Defect Characterization. Like Liu Dr. Kathleen Hennessey. 1994**  
**Scope and Contents**  
Proposal for term paper: Knowledge representation of defect detection for non-repeatable image. Other research documentation included in this file: The Gamma Network – A Physical and Logical Data Structure.

box 12, folder 1  **Joint Venture Application. Dr. K. Hennessey, Ph.D. 11/1990**  
**Scope and Contents**  
Joint Venture application and other forms for KLA Instruments Corp.

box 12, folder 2  **KLA Meeting. Dr. K. Hennessey, Ph.D. 1994**  
**Scope and Contents**  
Notes, research materials and documentation related to Object Identification
box 12, folder 3  **ICIR - Automatic Defect Classification. Dr. K. Hennessey, Ph.D. 1995**
Scope and Contents
Progress notes related to Automatic Defect Classification (ADC).

box 12, folder 4  **OCR - Base Technology. Dr. K. Hennessey, Ph.D. 1993**
Scope and Contents
Agreement for joint development and research documentation related to Knowledge Based Optical Character Recognition system.

box 12, folder 5  **ISOA - Correspondence. Dr. K. Hennessey, Ph.D.**
Scope and Contents
Correspondence between Dr. Hennessey and the Institute for Studies of Organizational Automation.

box 12, folder 6  **License Invoices. Dr. K. Hennessey, Ph.D. 1992**
Scope and Contents
Invoices. ISOA. Fee for intellectual property license. Knowledge-Based Image Analysis Base Technology.

box 12, folder 7  **ISOA - Commercialization. Dr. K. Hennessey, Ph.D.**
Scope and Contents
Summary and pricing information regarding Organizational Automation and OCR systems that can be linked with other existing systems.

box 12, folder 8  **Knights Technology**
Scope and Contents
Article by Knights Technology regarding software solutions for semiconductor manufacturing.

box 12, folder 9  **Leica - ADC. Volker Knorz**
Scope and Contents
Correspondence, documentation and license agreement.

box 12, folder 10  **Planning Meeting - AUI**
Scope and Contents
Project planning meeting notes, plans and tasks lists relative to Texas Advanced Technology Grant - Knowledge-Based Automated Visual Inspection.

box 12, folder 11  **TI, TU & KLA. 1994**
Scope and Contents
AVCR Agreement between Texas Tech University and KLA Instruments.

box 12, folder 12  **Automated Visual Inspection**
Scope and Contents
Defect Classification Report(s) and Minutes of Progress Review Meetings (1/92 and 8/92) - Automated Visual Inspection: Defect Classification and Production Test.

box 12, folder 13  **Disclosure of Financial Interest. Texas Tech University**
Scope and Contents
Memo regarding new policy on Conflicts of Interest.
box 12, folder 14  **OCR Agreement**  
**Scope and Contents**  
OCR Agreement between Electroglas, Inc., Texas Instruments Inc., and Texas Tech University - cooperative development of technology for Optical Character Recognition (OCR).

box 12, folder 15  **ISOA - Ownership of Property**  
**Scope and Contents**  
Memo from Texas Tech, Office of Research Services, claiming no ownership of intellectual property of two inventions entitled: 1) Derivation of Measures of Permeability and Capillary Pressure by Image Analysis of Thin Sections made from Well Chippings and 2) Automated Visual Inspection Using Fuzzy Context Free Grammar.

box 13, folder 1  **KLA License Agreements**  
**Scope and Contents**  
License agreement for Base Technology. Defect Classification – Image Testing

box 13, folder 2  **KLA - Tests**  
**Scope and Contents**  
Graphic representations of tests conducted for KLA project.

box 13, folder 3  **KLA Meeting. 1991**  
**Scope and Contents**  
Minutes, notes, correspondence and research documentation received/taken during the KLA meeting.

box 13, folder 4  **KLA Office Action**  
**Scope and Contents**  
Baker & Botts correspondence.

box 13, folder 5  **KLA Instruments**  
**Scope and Contents**  
Correspondence, documents, etc., relative to KLA Instruments Corp. Proposal for a joint development program. Research documents and minutes from meetings.

box 13, folder 6  **KLA Patent Infringement. 1996-1997**  
**Scope and Contents**  
KLA & Texas Tech - Correspondence relative to patent infringement.

box 13, folder 7  **ADE Corporation. 1993 and 1996**  
**Scope and Contents**  
Disclosure Agreement between ADE Corp. and Texas Tech for the purpose of patent, trade secret and other proprietary rights.

box 13, folder 8  **Defect Classification Report. Wan Sang Wong and Manyam Khaja**  
**Scope and Contents**  

box 13, folder 9  **ADE-ADC Testing. June 30th 1994.**  
**Scope and Contents**  
Correspondence and documentation relative to the ADC System testing.
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Scope and Contents  
Draft license agreement for defect classification technology. |
| Box 13, Folder 11 | **TI - Base Technology Agreement**  
Scope and Contents  
Base Technology license agreement between TI and Texas Tech Univ. |
| Box 13, Folder 12 | **TI – Silicon Wafer Cross Slot Detection. 12/1996**  
Scope and Contents  
Information regarding an invention that resolves the problem of Silicon Wafers getting Cross Slotted. |
| Box 13, Folder 13 | **TI - Patent. 1992**  
Scope and Contents  
Patent documentation relative to defect classification technology. |
| Box 13, Folder 14 | **AVI - Patent. 1988**  
Scope and Contents  
Patent for an Image Parser with Semantic Actions for Error Recovery. |
| Box 14, Folder 1 | **APL – Base Technology/NAVY**  
Scope and Contents  
Correspondence, documents, contract clauses regarding Base Technology project. |
| Box 14, Folder 2 | **ADC Documents**  
Scope and Contents  
Research documents and correspondence relative to Knowledge-Based Image Analysis. |
| Box 14, Folder 3 | **Automated Visual Circuit Repair - World Wide Meeting. 08/1994**  
Scope and Contents  
Notes, documentation and materials from the Automated Visual Circuit Repair - Worldwide Meeting. |
| Box 14, Folder 4 | **Knowledge-Based Defect Characterization/ NAVY – Disclosures. Dr. K. Hennessey and Rama Katragadda. 09/1991**  
Scope and Contents  
Correspondence, Disclosure Forms, and documents relative to knowledge-based defect characterization facility. |
| Box 14, Folder 5 | **Original Base Technology. Lin You-Ling**  
Scope and Contents  
Research docs and analyses relevant to base technology. |
| Box 14, Folder 6 | **AVI Progress Meeting. Lin You-Ling. August 1992**  
Scope and Contents  
Copy of minutes from progress review meeting regarding Automated Visual Inspection: Defect Classification and Production. |
box 14, folder 7  **Base Technology Patent. April 28, 1992**  
Scope and Contents  

box 14, folder 8  **Probe Card Alignment for EG**  
Scope and Contents  
Research documentation relative to probe card alignment and tip inspection.

box 14, folder 9  **Invention Disclosures - Object/Defect Identification. Dr. K. Hennessey, YouLing Lin, ISOA 1993**  
Scope and Contents  
Invention Disclosures for Object/Defect Identification.

box 14, folder 10  **AVI Project - Intellectual Property. Texas Tech University. 1990**  
Scope and Contents  
Memos, correspondence and documents relative to AVI Project and Intellectual property.

box 14, folder 11  **Invention Disclosures- Image Compression. 01/1994**  
Scope and Contents  
Memos, correspondence and disclosures relative to Image Compression.

box 14, folder 12  **ADC System - Verson 1.02. ISOA Inc.**  
Scope and Contents  
Memos, correspondence and documents relative to ADC System.

box 14, folder 13  **Electroglass- OCR Samples**  
Scope and Contents  
Documentation and correspondence relative to image OCR analysis.

box 14, folder 14  **ISOA Software Products. ISOA 1993**  
Scope and Contents  
Documents relative to Software Products for the Semiconductor Industry.

box 15, folder 1  **Francisco Delgadillo. 1994**  
Scope and Contents  
Scientific Research report on the Automated Visual Inspection project at the Knowledge-Based System Research Laboratory.

box 15, folder 2  **Documentation for Electrical Database - Xiaoxiang Rao 12/1990**  
Scope and Contents  
Scientific Research documentation on electrical databases. Interface program contains two parts: 1) written in language C, and 2) written in ZIM database.

box 15, folder 3  **Documentation for the User Interface - Xiaoxiang Rao 12/1991**  
Scope and Contents  
Scientific Research data on an electrical database. Includes function description, hierarchy charts, modules, variables list, etc.

box 15, folder 4  **Documentation for Texture Analysis - Xiaoxiang Rao 12/1992**  
Scope and Contents  
Scientific Research documentation on texture analysis.
A Comparative Study of Texture - Xiaoxiang Rao 12/1992
Scope and Contents

Detection of VLSI. Steven P. Catanich 06/1989
Scope and Contents
Problem Identification Statement – Research paper regarding Detection of VLSI BondPad Punch-Thru w/Syntactically Based Automated Visual Inspection. Disc was inside original folder.

Scope and Contents

MCC - AVI Report 2. Dr. K. Hennessey and H. Lu
Scope and Contents

Image Processing. David McKeown Jr. Wilson Harvey, Jr. John McDermott
Scope and Contents
Scientific Paper, Rule-Based Interpretation of Aerial Imagery, describing the organization of a rule-based system, SPAM, that used map and domain-specific knowledge to interpret airport scenes.

Image Description
Scope and Contents
Narrative of image contents.

Technical Reports - AVI. K.S. Hahn Y. Lin. 08/1992
Scope and Contents
Technical Reports on AVI using Syntactic Representation for Inspection during Manufacturing.

Symbolic Space. Rama Katragadda, Dr. Hennessey, and You Lin
Scope and Contents
Scientific Research Documentation: Data, Information and Knowledge of Symbolic Space. Includes research documentation, report on defect characterization, and geographic data conversion. Notes, transparencies and reports included.

AVI-2 - Prasad. L.N. Prasad
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AVI – Agreement
Scope and Contents
Boiler plate – Agreement for joint development, licensing and share of proceeds from sale of systems application. Disc was inside original folder.
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| 1             | AVI - Grammar/Parser. 1988  
  Scope and Contents  
  Job description and time schedule of AVI project. |
| 2             | Automated Generation. Sing T. Bow and Bin Zhou  
  Scope and Contents  
| 3             | AVI - Dr. Masten  
  Scope and Contents  
  AVI Correspondence re: Dr. Masten’s active collaboration and full participation on the part of TI and MCS. |
| 4             | AVI - SIA Conference. Semi Conductor Industry Assc. (SIA)  
  Scope and Contents  
  Documentation from the SIA conference held March 3rd, 1989. |
  Scope and Contents  
| 6             | AVI - Knowledge Acquisition  
  Scope and Contents  
  Scientific research documentation on AVI. Includes draft – set-up scenario of design. |
| 7             | AVI - Identification of Primitives. James R. Burns  
  Scope and Contents  
  Scientific Notes and research documentation on Identification of Primitives. |
| 8             | AVI - Knowledge Processor  
  Scope and Contents  
  Scientific Notes and research documentation on requirements for Knowledge Processor. |
| 9             | ISOA – Technical Service Agreements  
  Scope and Contents  
  Technical Service Agreements between Texas Tech Univ. and ISOA. |
| 10            | ISOA Seminar  
  Scope and Contents  
| 11            | Curriculum Vitae. Dr. Hennessey  
  Scope and Contents  
  Dr. Hennessey's Curriculum Vitae |
| 12            | Resumes  
  Scope and Contents  
  Collection of resumes. |
box 16, folder 13
AVI - Interim Report. Dr. Hennessey 06/1989
  Scope and Contents
  A Report – Automated visual inspection using syntactic representation of images.

box 16, folder 14
AVI - Defect Images
  Scope and Contents
  Correspondence and documentation relative to an AVI project and defect images.

box 17, folder 1
AVI - Project Reformation
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  Correspondence, Executive Summary and notes regarding an AVI project: Automated Visual Inspection Using Syntactic Representation of Images.

box 17, folder 2
AVI - Robotic Assembly Lines Proposal - Withdrawal
  Scope and Contents
  Correspondence and documentation related to the withdrawal of the Robotic Assembly Line Proposal by Dr. Randolph.

box 17, folder 3
Job Assignments. 1989
  Scope and Contents
  Report outlining job assignments for research assistants working on AVI project.

box 17, folder 4
Documentation Standards
  Scope and Contents
  Software Design Description.

box 17, folder 5
AVI - VISI Wafers
  Scope and Contents
  Joint research report, articles and research documentation on automated visual inspection of VISI wafers using syntactic representation of Images.

box 17, folder 6
AVI Design Document - James R. Burns
  Scope and Contents
  Design documentation for an automated visual inspection project.

box 17, folder 7
  Scope and Contents
  Scientific article: Matrix Representation of Expert Systems.

box 17, folder 8
AVI - Digital Frequency Analysis
  Scope and Contents
  Research paper on automated visual inspection and digital frequency analysis.

box 17, folder 9
Expense Claims
  Scope and Contents
  Expenses accrued while working for ISOA in the COBA at Texas Tech University.

box 17, folder 10
AVI - Coordinating Board
  Scope and Contents
  Memo to Academic Deans from Donald Haragan regarding contact with the Coordinating Board.
box 17, folder 11  AVI PHR Proposal
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Correspondence and Scientific Research Documentation: Texas Tech ATP Proposal #200

box 17, folder 12  AVI - Misc. Research Papers
Scope and Contents
Miscellaneous research papers, reports and notes on automated visual inspection.

box 17, folder 13  ADC KLA Images Test. 1994
Scope and Contents
Instructions for running ADC Package. Images from testing, menus, screen shots, etc.

box 17, folder 14  KLA Classification
Scope and Contents
Charts, images, menus, diagnostics from scientific research project.

box 18, folder 1  Miscellaneous Research
Scope and Contents
Class research documentation, instructions for completing ISQS 7344, notes, diagrams
and charts.

box 18, folder 2  Knowledge-Based Automated Image Indexing. Dr. Hennessey, YouLing Lin, Rama
Katradadda, Huitan Lu, and Rajasekar Reddy
Scope and Contents
Scientific research documentation regarding the ability to integrate and deliver
information in the form of text, tabulations, graphics, voice annotations, images, numeric
data streams, etc.

box 18, folder 3  Local Area Networks. 10/1991
Scope and Contents
Packet of information (presentation material) which provides details on computer
networks, grammar (BNF notation) and ways of linking people or things

box 18, folder 4  Edge Code & Notes
Scope and Contents
Scientific notes on wafer alignment.

box 18, folder 5  Articles - 1994
Scope and Contents
Scientific articles and clippings from the year 1994.

box 18, folder 6  Navy Demo - KBIAS
Scope and Contents
Scientific project goals and plan for project with NAVY.

box 18, folder 7  Aircraft Top Schematic Diagrams
Scope and Contents
Diagrams of aircraft (Top Schematic). Also included: A letter from the The Alan T.
Waterman Award Committee inviting nominations for the 18th Waterman Award.
box 18, folder 8  **Wafer Images**  
Scope and Contents  
Three images of wafers with notes on two of the pieces of paper.

box 18, folder 9  **Graphics Interchange Format. CompuServ 06/1987**  
Scope and Contents  
Documentation on GIF; a standard defining a mechanism for the storage and transmission of raster-based graphics information.

box 18, folder 10  **Articles - 1993**  
Scope and Contents  
Scientific articles and clippings.

box 18, folder 11  **Semicon Reception. 1994**  
Scope and Contents  
Information pertaining to the Semicon Southwest Reception.

box 18, folder 12  **ISEE - TTU/ Plenary Session**  
Scope and Contents  
Plenary meeting information, documents, registration information.

box 18, folder 13  **ODA Documentation. Dr. Hennessey 11/1990**  
Scope and Contents  
Documentation on Office Document Architecture. Also includes Certificate of Registration and print materials.

box 19, folder 1  **COBA (College of Business Administration). Planning. 1995**  
Scope and Contents  
Minutes, planning notes and correspondence relative to COBA – Envisioning the Future Session.

box 19, folder 2  **CER (Chief’s Executive Roundtable). 1994**  
Scope and Contents  
Memo relative to the availability of the members of the Chief Executives’ Roundtable.

box 19, folder 3  **ISECON (Information Systems Education Conference). 1994**  
Scope and Contents  
Workshop notes, transparencies and agenda items.

box 19, folder 4  **NTS Communications. 1994**  
Scope and Contents  
Code, project authorization forms relative to ISO A – NTS Communications project.

box 19, folder 5  **NIST - Application**  
Scope and Contents  
Technologies for the Integration of Manufacturing Applications. By ISOA Inc

box 19, folder 6  **NIKON**  
Scope and Contents  
Correspondence from Nikon regarding Automatic Defect Classification and Automatic Defect Detection presentation.
Scope and Contents
Scientific research paper. Includes data research and reports on Navy Radiant Tin Demonstration and Data Intercept Functions.

Research Documentation - Raum Pattikonda
Scope and Contents
Research data presented by Raum Pattikonda. Purpose: Provide the Serial Communication with the TI-545 through RS-232 port.

Scope and Contents
Code, mapping and research documents regarding image recreation.

NTS Software
Scope and Contents
Codes, notes, graphics, documentation and flowcharts for NTS Software.

ISOA - KBRSL AVI Project
Scope and Contents
Presentation regarding AVI Tool Learning under Calibration Mode.

Signaling System. DSC Communications Corp. July 1990
Scope and Contents
Technical Description of the DSC DEX System – Signaling System No. 7.

Virus Record Sheets
Scope and Contents
PC Virus maintenance log.

Radiant Tin. Tech Lab
Scope and Contents

Devices and Network Interfaces
Scope and Contents
Scientific code and description. Sum commands.

Washington Correspondence - Ethics Compliance Memo. John Hopkins University
Scope and Contents
Ethics Program Compliance Memo from the Johns Hopkins Applied Physics Laboratory.

TIN - Recreate Image - Navy Airfield. Mario Condit
Scope and Contents
Source codes and notes for recreating images. To be used to display Navy airfield images. Includes task lists for project.

NITFS - Compression Software. Optivision, Inc.
Scope and Contents
Software Release documentation – Version 2.0. Developed by Optivision for the NITFS community.
box 20, folder 3  Terminal I/O
Scope and Contents
Documentation on Controlling Terminal I/O.

box 20, folder 4  Fuzzy Logic. Paul C. Rhodes and Sabah Merad Menani
Scope and Contents
Scientific Paper that develops a type of propositional fuzzy logic which is analogous to traditional two-valued logic.

box 20, folder 5  Knowledge-Based Project. 1995
Scope and Contents
Project Task List.

box 20, folder 6  KBSRL Memo. Dr. Hennessey
Scope and Contents
Memo to KBSRL Staff re: Keeping a Research Laboratory Notebook.

box 20, folder 7  COBOL. Computer Associates
Scope and Contents
Description and contact information for COBOL Development.

box 20, folder 8  ABI/INFORM
Scope and Contents
Searches and Documentation Notes for Object Oriented Programming Systems.

box 20, folder 9  Defect Characterization – Notes
Scope and Contents
Notes on defect characterization. Includes flowcharts and diagrams.

box 20, folder 10  Expenses – ISOA
Scope and Contents
Project Expenditure Authorization forms, receipts and other expense forms related to research project.

box 20, folder 11  TOEFL – Guides
Scope and Contents

box 20, folder 12  Graduate School. 1991-1992
Scope and Contents
Minutes of the Meetings of the Graduate Council

box 20, folder 13  Graduate School. 1993-1994
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box 20, folder 14  Graduate School. 1994-1995
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Memorandum regarding the Doctoral Consortium in Lubbock. |
| box 20, folder 16 | **MIS - Graduate Program**  
Scope and Contents  
Flowchart/diagram of the MIS Graduate Curriculum. Also includes curriculum and proposal. |
| box 20, folder 17 | **COBA - ISQS Graduate Program. Office of the Dean**  
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Memorandum and notes relative to the ISQS Graduate Program. |
| box 20, folder 18 | **DPMA Model**  
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Information Systems: Curriculum for a four year Undergraduate Degree. |
| box 21, folder 1 | **Bioscetches**  
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Brief Bioscetches on the professors at Texas Tech University. |
| box 21, folder 2 | **Guidelines for Writing Thesis. Texas Tech University**  
Scope and Contents  
Guidelines for writing a Thesis. Master’s Program in Business. |
| box 21, folder 3 | **Doctoral Handbook. Texas Tech University 1990-1991**  
Scope and Contents  
College of Business Administration. Doctoral Handbook. |
| box 21, folder 4 | **Health Computing Program**  
Scope and Contents  
Memos, curriculum list, exams, and documents relative to the Health Computing Masters Program. |
| box 21, folder 5 | **Knowledge-Based Systems Program**  
Scope and Contents  
Memos, course listing, curriculum and documents relative to the Knowledge-Based Systems Masters Program. |
| box 21, folder 6 | **Loaned Books**  
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List of books on loan. |
| box 21, folder 7 | **Dr. Zhang**  
Scope and Contents  
Files relative to research by Dr. Zhang. Includes project details on A New Concept of Integrating Process Planning in Manufacturing Enterprises. |
| box 21, folder 8 | **Directorate for Computer and Information Science & Engineering. National Science Foundation**  
Scope and Contents  
Program Announcement - CISE Institutional Infrastructure Small Scale. |
box 21, folder 9  National Fetal-Infant Mortality Review Program. NFIMR
Scope and Contents
Information relative to the National Fetal-Infant Mortality Review Program. Includes documentation and correspondence.

box 22, folder 1  NASA. Dr. Paul Randolph
Scope and Contents
Proposal document for NASA program. Includes hand written notes.

box 22, folder 2  National Science Foundation (NSF)
Scope and Contents
Rules and regulations for nominating candidates for the Waterman Award.

box 22, folder 3  SBIR. Small Business Administration
Scope and Contents
U.S. Small Business Administration – Pre Solicitation Announcement

box 22, folder 4  BCP Program
Scope and Contents
Information relative to ODA transaction support for the BCP Program.

box 22, folder 5  Internship Reports- Health Computing. Jia Li, Amr Hussein, Chung Yang, and Melody Ogletree
Scope and Contents

box 22, folder 6  Techno MBA Program. Peter Westfall
Scope and Contents
Correspondence from Mr. Westfall regarding the pursuit of a MBA specialty program: Techno-MBA.

box 22, folder 7  Expert Systems. D. Skuce 02/1988
Scope and Contents
Scientific Documentation: ClearTalk: A Conceptually Oriented Design Language Based on Objects, Logic and Natural Language. Also included: Wafer Pattern Expert System.

box 22, folder 8  AI - General
Scope and Contents
Articles relative to Artificial Intelligence. *Image Processing * Inference * Man – Machines Interface * Manufacturing

box 22, folder 9  AI - Image
Scope and Contents
ISOA article on AI processing. "Vision by Man and Machine"

box 22, folder 10  AI - Inference
Scope and Contents
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Articles relative to Artificial Intelligence.  
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| 22, 12 | **AI - Manufacturing**  
Scope and Contents  
Article on knowledge based systems; and how they will affect manufacturing in the 1980s |
| 22, 13 | **CASE. Chris Pickering**  
Scope and Contents  
| 22, 14 | **ISOA Articles - Student Banking. Texas Tech News**  
Scope and Contents  
Article relative to a study conducted by Dr. Hennessey which focused on checking account practices in the state and national banking institutions. |
| 22, 15 | **Conceptual Modeling. S.J. Gibbs**  
Scope and Contents  
Article on Conceptual Modeling and Office Information Systems. |
| 22, 16 | **Data Definition Facility of CRITIAS. Xiaolei Qian and Gio Wiederhold**  
Scope and Contents  
Scientific research from the Department of Computer Science at Stanford University. CRITIAS is introduced which is intended to provide syntactic embodiment of a semantic data model and a uniform linguistic tool for data definition, query and manipulation. |
| 22, 17 | **DESPATH. Wolfgang Roesner**  
Scope and Contents  
Scientific research on DESPATH, a database manipulation language for a modified Entity-Relationship Model. |
| 22, 18 | **Model for Multimedia Documents. F. Rabitti**  
Scope and Contents  
Scientific article on a model for representing multimedia documents and supporting operations on documents. |
| 22, 19 | **Atricle – Video Conferencing. Michael Miller**  
Scope and Contents  
Article on video conferencing. Scientists at XEROX Corporation in cities 500 miles apart are collaborating as if they are in the same building. |
| 22, 20 | **ISDN - Overview & Applications. Data Processing Management Assc. 10/1990**  
Scope and Contents  
Documentation from the Information Technology Conference and Exposition. ISDN Overview and Applications information. |
| 22, 21 | **UMIST**  
Scope and Contents  
Publication regarding D. Hennessey. |
box 22, folder 22  
**AI - Technology and Trends. Earl D. Sacerdoti**  
**Scope and Contents**  
Discussion on the scientific, engineering and business aspects of artificial intelligence.

box 22, folder 23  
**Journals - Computer Education**  
**Scope and Contents**  
Journals relative to computer education.

box 22, folder 24  
**The Science of Computing. Peter J. Denning**  
**Scope and Contents**  
Publication on the science of computing. Bayesian Learning.

box 22, folder 25  
**Journals (Misc)**  
**Scope and Contents**  
Miscellaneous scientific journals.

box 22, folder 26  
**Alzheimer’s Disease. Danielle Ripich and Brenda Terrell**  
**Scope and Contents**  

box 23, folder 1  
**IEEE Proceedings. 10/1986**  
**Scope and Contents**  
Proceedings from the IEEE Conference held in October of 1986.

box 23, folder 2  
**Remaining materials from original Box 9**  
**Scope and Contents**  
Journals, articles and case study. Relating research to Hennessey's work.

box 23, folder 3  
**Savings Account. CCU (Community Credit Union). 1996-1998**  
**Scope and Contents**  
Savings Account Statements, and newspaper.

box 23, folder 4  
**Correspondences 97. DPMA (Data Processing Management Association)1997**  
**Scope and Contents**  
Correspondence.

box 23, folder 5  
**ATTP Monthly Mailings. 1998**  
**Scope and Contents**  
Association of Information Technology Professionals - Monthly Mailings.

box 23, folder 6  
**Correspondences96. DPMA 1992-1996**  
**Scope and Contents**  
DPMA long range plan and operating plan.

box 23, folder 7  
**SIG-AI. DPMA**  
**Scope and Contents**  
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</tr>
<tr>
<td>25, folder 9</td>
<td><strong>Disclosure Agreement</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Disclosure agreement between Mike Tosca of HP and ISOA President, Dr. Hennessey.</td>
</tr>
<tr>
<td>25, folder 10</td>
<td><strong>GenRad</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Documents, contracts, and correspondence related to the GenRad project - lighting inspection system.</td>
</tr>
<tr>
<td>26, folder 1</td>
<td><strong>LEICA</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Documents, contracts, and correspondence related to the LEICA project – Sematech S77 Project, Automatic Defect Classification.</td>
</tr>
<tr>
<td>26, folder 2</td>
<td><strong>High Road Innovation. 1998</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Correspondence from Bill Schymik at High Road Innovation. Includes ADI Requirements.</td>
</tr>
<tr>
<td>26, folder 3</td>
<td><strong>SVTtronics, Inc. 1997</strong>&lt;br&gt;Scope and Contents&lt;br&gt;System (BETA) Testing Agreement between ISOA, Inc. and SVTtronics, Inc. Project is regarding equipment designed to detect manufacturing processing defects during manufacture of printed circuit for populated boards.</td>
</tr>
<tr>
<td>26, folder 4</td>
<td><strong>TEL-TOKIO Electron. 1998</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Documentation, Agreements, and Correspondence relative to Automatic Defect Detection, Automatic Defect Classification, OCR, Image Alignment. Includes information about the negotiations involving High Road Innovation, ISOA and TEL.</td>
</tr>
<tr>
<td>26, folder 5</td>
<td><strong>ICIR. 1998</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Documentation, Agreements, and Correspondence relative to ICIR (International Center for Informatics Research)/</td>
</tr>
<tr>
<td>26, folder 6</td>
<td><strong>ICIR. 1998</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Documentation, Agreements, and Correspondence relative to ICIR (International Center for Informatics Research)/</td>
</tr>
<tr>
<td>26, folder 7</td>
<td><strong>ISOA - Research</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Research documentation on Automated Defect Classification. Also included is correspondence, reports and agreements.</td>
</tr>
</tbody>
</table>
### ISOA - Research
**Scope and Contents**
Research documentation on Automated Defect Classification. Also included is correspondence, reports and agreements.

### Electoglas
**Scope and Contents**
Correspondence, research and agreements between ISOA and Electroglass. Joint project on Automated Defect Classification.

### TX/TD&T Project
**Scope and Contents**
Joint project (Automatic Defect Detection) between ISOA, LEICA and TI Lubbock. Installation of the Leica ADC. Research documents, Deliverables, Budget documents, Proposals, etc.

### SEMANTECH
**Scope and Contents**
Semantech – Standards Working Group. Research documents, coding and plans relative to JEDEC SC 14.6 Working Group on STEP-based semiconductor defect data access interface: SSDDAI.

### COBA
**Scope and Contents**
College of Business Administration. Documentation relative to Dr. Hennessey: Promotion and Tenure, Dean’s Merit Advisory Committee, Outside Employment Approval Request, announcements and other correspondence.

### Adaptee (Internest Support)
**Scope and Contents**
Correspondence from Adaptech Technical Support.

### Amray
**Scope and Contents**
License agreement between ISOA and Amray re: 1) Automated Defect Characterization 2) OCR and 3) Symbolic Image Alignment software.

### Texas State Board
**Scope and Contents**
Correspondence and documentation relative to complaint filed against Dr. Frances Grogan.

### ICIR - Performance Audit
**Scope and Contents**
ICIR Internal Audit Documentation.

### Grievance
**Scope and Contents**
Correspondence relative to Dr. Hennessy utilizing the Faculty Grievance Procedures to resolve a grievance against Dr. David Schmidly, Dr. Robert Sweazy, Mr. Jim Brunjes and Ms. Frances Grogan.
<table>
<thead>
<tr>
<th>Box/Folder</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>28, folder 6</td>
<td><strong>AKC Lab Schedules. 1993</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Lab Schedules</td>
</tr>
<tr>
<td>28, folder 7</td>
<td><strong>AKC Project Details. 1993 and 1994</strong>&lt;br&gt;Scope and Contents&lt;br&gt;All Kids Count Project Documentation. Includes correspondence, letter of intent, proposal, receipts, reimbursement requests and other documents related to the project.</td>
</tr>
<tr>
<td>28, folder 8</td>
<td><strong>AKC - Immunization</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Same as above: Includes Immunization Schedule, Tracking and Monitoring information.</td>
</tr>
<tr>
<td>29, folder 1</td>
<td><strong>AKC - Immunization</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Same as above: Includes Immunization Schedule, Tracking and Monitoring information.</td>
</tr>
<tr>
<td>29, folder 3</td>
<td><strong>AKC - System Flow Chart. 1993</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Flowchart showing the Income Distribution for All Patients (20 Counties).</td>
</tr>
<tr>
<td>29, folder 4</td>
<td><strong>AKC - Labels</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Flowcharts and diagrams of AKC Labels.</td>
</tr>
<tr>
<td>29, folder 5</td>
<td><strong>AKC - Provider</strong>&lt;br&gt;Scope and Contents&lt;br&gt;List of AKC Health and Medical Service Providers</td>
</tr>
<tr>
<td>29, folder 6</td>
<td><strong>AKC - Workshop</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Workshop for the AKC Project. Includes flow process charts, providers claim form and transparencies.</td>
</tr>
<tr>
<td>29, folder 7</td>
<td><strong>AKC - Contacts</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Meeting notes, business cards, articles and correspondence related to the AKC project.</td>
</tr>
<tr>
<td>29, folder 8</td>
<td><strong>AKC - TDH. 1993</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Unified Immunization Plan for Texas documentation. Includes research documentation and articles.</td>
</tr>
<tr>
<td>29, folder 9</td>
<td><strong>AKC - Forms</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Forms related to the AKC project (i.e., vaccination forms, monthly biological report, etc.)</td>
</tr>
</tbody>
</table>
AKC Meetings. May and August 1993.
Scope and Contents
Notes and documents from meetings.

AKC - CDC
Scope and Contents
Proposal for a national immunization registry.

AKC - Neometrics
Scope and Contents
AKC - Project. Expert system for pediatric clinic laboratory TTUHSC Amarillo.
Documentation relative to the TDH implementing a remote data entry system for newborn screening.

Directorate for Education and Human Resources. March 1993
Scope and Contents
Visitation agenda for Dr. Hennessey. Includes Guide to Programs for the Fiscal Year

Infant Mortality Study. 1985-1989
Scope and Contents

Vinecta
Scope and Contents
Healthcare project documentation, brochures, notes and articles. All information relative to infant mortality project.

AKC-Graphs. 11/1993
Scope and Contents
Graphs indicating distribution of immunization visits. All information related to All Kids Count program.

Research Paper on Distance Learning. August 21, 1994
Scope and Contents
Pinar & Yakup Kinikoglu paper for the Information System & Quantitative Sciences Institute

Optical Character Recognition. May 1, 1992
Scope and Contents
Software module ISOA-OCR. Manual for operating software in OCR technology

Progress Report. 08/10/1993
Scope and Contents
Knowledge Based Image Analysis completed for the ISOA on APL Contract No 605796-0

TIA User Manual
Scope and Contents
Radiant Tin Software is capable of performing various Image conversion tasks including correlation and detection of delta, aircraft ident, and image compression
**ISQS 5337. 12/9/1998**

Scope and Contents
College Of Business Administration, Area of Information Systems and Quantitative Sciences. Notes for the Course with Slides

**Original box 13, folder 7a, 7b and 7c. Hennessey Notes 02/10/1994, Lilis ISOA 2/14/1994 and K. Hennessey 02/21/1994**

Scope and Contents

**Notes from Consortium. Dr. K. Hennessey 02/7/1994**

Scope and Contents
Notes taken by K. Hennessey. Western Engineering Consortium, digital Switching, early stage ISDN technology.

**Original box 13, folder 8a, 8b, 8c and 8d. JL Therrien 05/31/1994, Stentor/Therrien 06/15/1994, SCNM Standards 06/1993, SCNM Standards 07/1993**

Scope and Contents
Lubtex CCS-7 fraud detection and prevention tool. The intent is to deploy in the Stentor network. The product was jointly developed with SCNM and TTU. Research agreement is unsigned copy. The agreement includes several changes from earlier document. Standards document titled: Safeguarding of Proprietary Information. Standards document titles: Computer and Network Security. Outlines security policies and standards for communication networks.


Scope and Contents

**Original box 13, folder 10a, 10b, and 10c**

Scope and Contents

**Distribution Licensing Income**

Scope and Contents
Copies of responses from various Universities on how they handle distribution of licensing income.
box 32, folder 4  **Information Systems - Organisations**  
**Scope and Contents**  
Scientific Research Papers, transparencies and teaching notes on Business Organization - Authority and Power Structure.

box 32, folder 5  **Information Systems - Organizational Analysis**  
**Scope and Contents**  
Scientific Research Papers and teaching notes on Organizational Analysis.

box 32, folder 6  **Information Systems - Work Frames**  
**Scope and Contents**  
Scientific Research Papers on information systems, work frames and system analysis.

box 32, folder 7  **Data Processing**  
**Scope and Contents**  
Graph representing the efficiency using a data processing chip.

box 32, folder 8  **Francisco Delgadillo**  
**Scope and Contents**  
Summary of Shannon and Weaver’s entropy theory.

**Scope and Contents**  
Recommended Standards for Software Design Descriptions. Provides standards from producing, testing, measuring, purchasing, marketing or providing goods and services related to the scope of the IEEE Standard.

box 32, folder 10  **How to Determine Church Objectives. W.L. House**  
**Scope and Contents**  
Scientific Article on determining the objectives of a church.

**Scope and Contents**  
Scientific Article on the Nature and Design of Post-Industrial Organizations. The paper provides an assessment of the popular literature on post-industrial society.

box 32, folder 12  **Introduction to DSS**  
**Scope and Contents**  
Copy of scientific research manual on dialogue design techniques.

box 32, folder 13  **Bureau Establishes ‘Secure’ Facility. Lawrence A. Yaggi Jr.**  
**Scope and Contents**  
Scientific Article addressing the development of a secure building for computer use.

box 32, folder 14  **Integrated Broadband Local Network Architecture. B. Maglaris**  
**Scope and Contents**  
Scientific Article on the need for integrating a variety of communication requirements within a local, intrafacility environment.
Software in the 80s. Computerworld Extra
Scope and Contents
Article on Software in the 80s - Perils and Promises. Addresses problems, solutions for developers and a look at what's ahead.

Corporate Information Systems Management. Franklin W. McFarlan and James L. McKenney 1983
Scope and Contents
Scientific research article on the issues facing Senior Executives.

Scope and Contents
Article in Forbes magazine. Addresses the increased coverage on small and middle size companies because of the growing economy.

Megatrends. Naisbitt
Scope and Contents
Copy of chapter from book. Chapter title: From an Industrial Society to an Information Society. Discussed ten major transformations taking place in society.

NIOSH (National Institute for Occupational Safety and Health
Scope and Contents
Standards in Operations, Section 5.1. Discusses the general requirements for scheduling in computer operations.

Stage by Stage. David P. Norton
Scope and Contents
Article on the Economics of Computing in the Advanced Stages.

Orr on Maintenance. Ken Orr and Assoc.
Scope and Contents
Article on data processing management and the importance of systems maintenance.

Collective Properties of Neural Networks. P. Peretto Biological Cybernetics 1984
Scope and Contents
Scientific research documentation on the collective properties of Neural Networks.

Micro's Success. Ed Scannel
Scope and Contents
Article addressing a statement made by Philip Estridge, president of IBM's Entry Systems Group.

Computer Operations - Scheduling
Scope and Contents
Scientific Research on computer utilization and management.

Billing Service Firm Brings 3.5 mil. Brad Shcultz
Scope and Contents
Article in Computerworld magazine regarding a suit filed against HP by a medically oriented company.
Asymptotics Applied to a Neural Network. Jack W. Silverstein
Scope and Contents
Scientific research document. Mathematical model of neural processing is proposed which incorporates a theory for the storage of information.

Scope and Contents
Article on the decline of employee productivity in the U.S.

Snyders on Software. Jan Snyders
Scope and Contents
From Computer Decisions an article by Jan Snyder on generators overcoming program shortages.

Social Effects of Automation
Scope and Contents
Research Documentation, articles and papers on the social effects of automation.

ASCII
Scope and Contents
Teaching tools, transparencies and notes on ASCII Program from an RS232 Devise using Kingsland Electronics User Port.

Systems Analysis and Design
Scope and Contents
Documentation related to System Analysis and Design. Also included: Fall of 83. Midterm examination from CS4331-003.

Monitoring Controls. James Hansen
Scope and Contents
Research paper on a Relational Approach to Monitoring Controls.

System Analysis - Decision Tables
Scope and Contents
Research documentation and teaching tools on System Analysis.

Scope and Contents
Research documentation on the study of information. Two discs included.

Scientific Management
Scope and Contents
Teaching tools; transparencies and notes on information management.

System Analysis and Design - Structure and Function in Organizations
Scope and Contents
Scientific Research Documentation and Teaching tools; Paper on structure and function, common structures in organizations, legal and financial aspects of organizations and management, information and organizations. File includes transparencies.
box 34, folder 2  Information Systems - Introduction to Commercial Information Systems  
Scope and Contents  
Scientific Research Documentation; Defines commercial information system, who uses it, how it functions and how established.

box 34, folder 3  Data Processing - System Design  
Scope and Contents  
Teaching notes and transparencies on data processing system design.

box 34, folder 4  Data Processing - Mark-Sensed System  
Scope and Contents  
Scientific research paper on the accuracy of a mark-sensed system of data preparation. Includes coding, transparency notes and research paper.

box 34, folder 5  DP Systems - Charting Info. Flow  
Scope and Contents  
Transparencies: Contents Sheets

box 34, folder 6  System Analysis - Intro  
Scope and Contents  

box 34, folder 7  Direct Measurement of Systems  
Scope and Contents  

box 34, folder 8  The System Project  
Scope and Contents  
Scientific Documentation: Information System Design. Discusses the role of the systems analyst, stages of the system project, organization and two successful system projects and two failures.

box 34, folder 9  Systems Analysis - Getting Information From People  
Scope and Contents  
Scientific Documentation: System Analysis and Design - Discusses problems of getting information from people, questionnaires, interviews, self recording and logging.

box 34, folder 10  System Analysis - Analysing System Structure  
Scope and Contents  
Scientific Documentation: System Analysis. Discusses analysing system structure and information. Notes from courses, scientific paper on input/output, functions, resources, and structural models.

box 34, folder 11  System Analysis and Design - Documenting the Facts  
Scope and Contents  
Scientific Documentation: Discusses input/output, information storage, procedures, resources, structure and technology. Also included: Documentation discussing questionnaires and examining documents.

box 34, folder 12  Organizational Chart - Computer Dept.  
Scope and Contents  
Organizational Chart of Computer Department.
Information Systems - Transmitting and Storing
Scope and Contents
Scientific Documentation: Discusses the rules for transmitting and storing data. If not correctly gathered and analyzed the data can become meaningless.

Systems Analysis - Getting the Background
Scope and Contents
Scientific Documentation: Discusses how to get the background on the present system structure from the system analyst’s perspective.

Systems Analysis - Initial Set up
Scope and Contents
Scientific Documentation: Discusses where the system analyst starts when beginning a systems project.

Prototyping and Developing
Scope and Contents
Coding, charts, notes and research materials related to prototyping and developing.

Management Theory
Scope and Contents
Teaching notes, transparencies and information on Management Theory; roles, operation research, ownership, control, liability, distribution, etc.

Systems Analysis Training, The National Computing Center
Scope and Contents

Information Systems - Introduction
Scope and Contents
Course materials: Introduction to Information Systems

The System Analyst
Scope and Contents
Descriptive paper on the role of the systems analyst.

Systems Analysis - CDP Review
Scope and Contents
System Analysis Design – Examination of the relationships between an organizational entity and its environment.

Computer Hardware
Scope and Contents
Documentation on Computer Hardware. Includes research materials, charts, articles and notes.

Programming Manual
Scope and Contents
Programming Manual: System flowchart of online order-entry system, billing programs, input specifications and other data related to programming.
Information Systems - Symantics (Verbal)
Scope and Contents
Information Systems Documentation: Discusses verbal information.

10/23/1979
Scope and Contents
From the Department of Computer Science at Carnegie-Mellon University. Research paper on ZOG, a rapid response, large network, menu selection system used for man-machine communications.

Operations Sheet
Scope and Contents
Copy of required operations sheet.

Understanding Organisations
Scope and Contents
Data Processing documentation on understanding organisations.

Computer Designs and Graphs. Blackburn College of Technology and Design
Scope and Contents

Intel Grant Request
Scope and Contents
Grant request and notes

Scope and Contents
Describes purpose of technical abstract, mandatory items, elective items, and items to be avoided. Describes how to create the Introduction.

Interactive Component Sales
Scope and Contents
Literature request sheet – order form.

Scope and Contents

Micro Focus. 1994
Scope and Contents
Copy of Micro Focus Conference Program. Topics of conference included offloading mainframe, development and maintenance, downsizing and client/server computing, strategy, implementation.

ISS (International Sales Service). 1994
Scope and Contents
Correspondence from the International Sales Service to Dr. Hennessey regarding a purchase order. Also included is technical information on the SuperStar cleaning cloth.
box 36, folder 7  Micro Focus  
Scope and Contents  
Micro Focus Academic Grant Program - Application Kit. Also included: Correspondence from Dr. Hennessey to Mike McCandless regarding the Campus Symposium and the possibility of launching an OO COBOL SIG of DPMA. Includes Student Version and a floppy disk inside of the original folder.

box 36, folder 8  Miscellaneous Office Inventory  
Scope and Contents  
FM Telephone-Line Intercom Owners manual, Panasonic warranty information, Emerson warranty and owner’s manual, assembly instructions for the Fidelity modular Literature organizer.

box 36, folder 9  Microsoft  
Scope and Contents  
Correspondence to Microsoft requesting product support. Other documents in the file include flyers about Microsoft products, upgrade offers, Certificate of Authenticity on Microsoft Software product.

box 36, folder 10  MEI/Micro Center  
Scope and Contents  
Supplier information and product registration forms.

box 36, folder 11  Loral Camera  
Scope and Contents  
Loral Camera Operation instructions for Model DEI-470.

box 36, folder 12  Kedwell Software  
Scope and Contents  
Correspondence to Jay Bancroft of Kedwell Software from Dr. Hennessey – address information and order form for the DataBoss for Windows.

box 36, folder 13  Packard Bell  
Scope and Contents  
Correspondence regarding problems with the Packard-Bell hard disk drive.

box 36, folder 14  Panasonic  
Scope and Contents  
Product information on the Panasonic products: Broadcast & Television Systems, Color Single-Cable CCTV Camera, and Printers.

box 36, folder 15  Paper Direct - Vendor  
Scope and Contents  
Vendor information on Paper Direct products.

box 36, folder 16  Personal Computing Tools - Vendor  
Scope and Contents  
Vendor information on Personal Computing Tools.

box 36, folder 17  PKWare - Vendor  
Scope and Contents  
PKWare product catalog, backup guide and other product related correspondence.
<table>
<thead>
<tr>
<th>Box and Folder</th>
<th>Vendor/Supplier</th>
<th>Scope and Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>box 36, folder 18</td>
<td><strong>Programmers Connection - Vendor</strong></td>
<td>Buyers guide form The Connection – Source for Windows and other products.</td>
</tr>
<tr>
<td>box 37, folder 1</td>
<td><strong>Prudent Publishing - Vendor</strong></td>
<td>Product catalogs and order forms for Prudent Publishing.</td>
</tr>
<tr>
<td>box 37, folder 2</td>
<td><strong>Office Depot. Winter 1994</strong></td>
<td>Scope and Contents Products Catalog</td>
</tr>
<tr>
<td>box 37, folder 3</td>
<td><strong>OKIDATA - Supplier</strong></td>
<td>Customer Reference Guide for Microline 182 and 182 TTY.</td>
</tr>
<tr>
<td>box 37, folder 4</td>
<td><strong>ObjectStore</strong></td>
<td>Technical Overview information on Object Design – IBMs New Workflow System.</td>
</tr>
<tr>
<td>box 37, folder 5</td>
<td><strong>NTIS ( National Technical Information Services)</strong></td>
<td>Scope and Contents Order form for products from NTIS.</td>
</tr>
<tr>
<td>box 37, folder 6</td>
<td><strong>Novagraph</strong></td>
<td>Address information for Novagraph.</td>
</tr>
<tr>
<td>box 37, folder 7</td>
<td><strong>NTS Communications Inc. Form</strong></td>
<td>Tax Exemption forms.</td>
</tr>
<tr>
<td>box 37, folder 8</td>
<td><strong>Bug Demonstration. Dr. Hennessey</strong></td>
<td>Summary of programming demonstration.</td>
</tr>
<tr>
<td>box 37, folder 9</td>
<td><strong>Micro Focus - COBOL. Spring 1993</strong></td>
<td>Permission to use and order Personal COBOL Compiler for 22 Tech students.</td>
</tr>
<tr>
<td>box 37, folder 10</td>
<td><strong>Micro Focus - COBOL Level II</strong></td>
<td>Information on how to use Level II COBOL.</td>
</tr>
<tr>
<td>box 37, folder 11</td>
<td><strong>Micro Focus Publishing. 1993</strong></td>
<td>Micro Focus Publishing Product Catalog</td>
</tr>
<tr>
<td>box 37, folder 12</td>
<td><strong>Midwest Micro</strong></td>
<td>Software license agreement</td>
</tr>
</tbody>
</table>
**Myron**

Scope and Contents
Letter from Myron regarding pen order.

**Department of Health & Human Services**

Scope and Contents
From the Office of Grants Management: Correspondence relative to grant application, forms, instructions and program guidance material.

**Grant Programs - Summary**

Scope and Contents
National Institute of Mental Health - Summary of grant programs available. Letter acknowledging the receipt of grant application is included in this file.

**Public Health Service Grant**

Scope and Contents
Application and documentation for Public Health Services Grant.

**Sin - COBOL**

Scope and Contents
Bug and weekly status report for Sun COBOL 1.0. Also included are product brochures and repair request instructions and forms.

**SunSelect**

Scope and Contents
SunPC software product brochure, purchase requisition and project expenditure authorization form.

**SUNX - Ramco Electric Company**

Scope and Contents
Product information on SUNX's new FX-7 Fiber Optic Sensor.

**Sun Express. Fall 1992**

Scope and Contents
Product Catalog.

**Sterling Software**

Scope and Contents
Software License Agreement between Sterling Software and Texas Tech University.

**SoftCraft, Inc.**

Scope and Contents
Invoice for $0 to ISOA for SoftCraft Presenter and Software Donation.

**SPSS (Statistical Package for the Social Sciences)**

Scope and Contents
Product registration information. Product brochure and instructions for How to Read a CHAID Tree Diagram.

**Wall Data Incorporated**

Scope and Contents
box 38, folder 8  
**Word Perfect**  
Scope and Contents  
Word Perfect license agreement, product information and upgrade offers.

box 38, folder 9  
**WinFax**  
Scope and Contents  
License agreement.

box 38, folder 10  
**Watcom**  
Scope and Contents  
Product registration information, letter requesting support on problem and product information brochures.

box 38, folder 11  
**Lanier Copiers**  
Scope and Contents  
Product information on the Lanier Copier.

box 38, folder 12  
**University Video Communications**  
Scope and Contents  
Product information: Catalog of Videotapes – The Distinguished Lecture Series.

box 38, folder 13  
**3M – Vendor**  
Scope and Contents  
Vendor information from 3M. Copy of Code of Practice for Handling of Electrostatic Sensitive Devices – from the British Standards Institution.

box 38, folder 14  
**TCI Software**  
Scope and Contents  
Copy of TCI Software user registration information. Also includes TCI Super Scripts issue that introduces Scientific Word Version 1.1

box 38, folder 15  
**Toshiba**  
Scope and Contents  
Installation notes for the Toshiba ND3521/3561 3.5 Diskette Drive.

box 38, folder 16  
**Symantec**  
Scope and Contents  
Symantec – Norton Software registration card. Also included in this file is the UPC label from the box.

box 38, folder 17  
**Xerox – Vendor**  
Scope and Contents  
Fonts Catalog, Services and Price List for Xerox products. Also included are equation samples, and department of army form and information on Versatec (a company of Xerox) from Ron Ledgerwood and Nancy Taylor at Xerox.

box 38, folder 18  
**XWindows – Vendor**  
Scope and Contents  
Excerpt from X FAQ. Details of where one could get an X Server on a PC.

box 38, folder 19  
**Scientific Systems**  
Scope and Contents  
Correspondence related to the demo unit loaned to the university by Scientific Systems.
box 38, folder 20  Seagate Suppliers  
Scope and Contents  
Pass inspection of Seagate drive.

box 39, folder 1  Automated Visual Circuit Repair Workshop. 02/20/1995  
Scope and Contents  
Planning and status meeting for AVCR. Folder also contains calendars, expense statements and invoices for various pieces of video equipment.

box 39, folder 2  Original box 16-1b, 1c, 2a, 2b, 2c, 2d, 2e  
Scope and Contents  

Scope and Contents  

box 39, folder 4  Expenditure Authorization Requests. April 1995  
Scope and Contents  
Project Expenditure Authorization Request forms for Radiant Tin

box 39, folder 5  KLA Funding Document. July 1993  
Scope and Contents  
KLA Instruments Application of the Defect Classification Research Project

box 39, folder 6  UTD Personal Data Form  
Scope and Contents  
Various forms for UTD.

box 39, folder 7  Compaq Computer. 03/22/95  
Scope and Contents  
Computer Land Price quote for Compaq computers

box 39, folder 8  Hennessey Patent Application  
Scope and Contents  
Patent application filed with Texas Instruments Optical Recognition of Distorted Characters on a noisy background.

box 39, folder 9  Logic Works Program. 02/1995  
Scope and Contents  
Logic Works University program designed for accredited teaching institutions who offer database development courses.
box 39, folder 10  
**Annenberg / CPB Projects. 1995**  
Scope and Contents  
Annenberg Higher Education Guidelines helping higher education respond to the triple challenge  

box 39, folder 11  
**TI Payroll Sheet**  
Scope and Contents  
Salary Pro-ration detail  

box 39, folder 12  
**Word Perfect**  
Scope and Contents  
Printer Diver instruction sheet for Wordperfect 6.0 on HP Laserjet.  

box 39, folder 13  
**Outgoing Shipments**  
Scope and Contents  
TTU Central Receiving Outgoing Shipments to Midwest Micro peripherals – click soundbook not working  

box 39, folder 14  
Scope and Contents  
Automate Visual Inspection is a system that will completely automate the detection of visual defects on a wafer  

box 39, folder 15  
**Knowledge Based Image Analysis. 02/1991**  
Scope and Contents  
Knowledge-Based Image Analysis of Surveillance Images. Folder contains calendars and financial records  

box 39, folder 16  
**Association for Information Systems. 1995**  
Scope and Contents  
Association for Information Systems Invitation to become a Charter Member  

box 40, folder 1  
**Original box 16, folder 17a & 17b**  
Scope and Contents  

box 40, folder 2  
**C programming**  
Scope and Contents  
Various programs, functions and routines (apparently) in C programming language.  

box 40, folder 3  
**Labels**  
Scope and Contents  
Various Labels.  

box 40, folder 4  
**License Agreement. 12/1993**  
Scope and Contents  
License Agreement with Industrial Scientific (office of automation) and KLA.
| Box 40, Folder 5 | **Handwritten Call Sheet. August 1993**  
Scope and Contents  
Handwritten call sheet on notebook pad; including the fields: phone#, Name, corporation, calling, Acct, date, Time and Dialed by. |
| --- | --- |
| Box 40, Folder 6 | **Value Engineering Alliance. 01/1995**  
Scope and Contents  
Letter from VEA information on PCI compatible framgrabbers capable of handling both high resolution area and line scan cameras. |
| Box 40, Folder 7 | **Radiant Tin Review. November 1994**  
Scope and Contents  
Proposed Agenda, area map and hotel information for Radiant Tin Program. |
Scope and Contents  
Demonstrate that existing NIST level 3 DAP is sufficient for representation of documents automatically specified by 4th generation languages, Sun COBOL. |
| Box 40, Folder 9 | **Representation & Conversion of Forms Office Architecture. Dr. K. Hennessey**  
Scope and Contents  
Demonstrate that existing NIST level 3 DAP is sufficient for representation of documents automatically specified by 4th generation languages, Office Document Architecture. |
| Box 40, Folder 10 | **Hawaii Conference CASE and GOSIP. 01/1992**  
Scope and Contents  
Manuscript for CASE & GOSIP using ODA format and open system standards for interchange of CASE generated documents. |
| Box 40, Folder 11 | **Telecom Standards Newsletter. 01/1992**  
Scope and Contents  
T1P1 meeting in Plantation Florida. Technical subcommittee on systems engineering, standards planning and program management. |
| Box 40, Folder 12 | **Document Interchange Formats. 05/1990**  
Scope and Contents  
A description of the main problem area in Document Interchange Format and a recommended solution to the problem. |
| Box 41, Folder 1 | **Second Annual ODA Symposium. 12/1991**  
Scope and Contents  
Documents and brochures from the 2nd Annual ODA Symposium. |
| Box 41, Folder 2 | **Open Systems and Implementing ODA. K Hennessey, et al February 1992**  
Scope and Contents  
Open Systems & Document Interchange – Implementing ODA. |
| Box 41, Folder 3 | **ISO 8613 ODA. Dr. K Hennessey**  
Scope and Contents  
ISO 8613 is a multidimensional architecture for context-free representation of user views of the entire knowledge base. |
Series 1. Research and Teaching

**Box 41, Folder 4**

**NIST OIW. 04/1993**
Scope and Contents
NIST Open Systems Environment Implementor’s Workshop for June 7, 1993

**Box 41, Folder 5**

**ODA Q112. 12/1990**
Scope and Contents
Two Documents: Final text of Q112 and the errata to the specification as agreed by EWOS TA

**Box 41, Folder 6**

**Original box 17, folder 14a & 14b**
Scope and Contents

**Box 41, Folder 7**

**Acetate slide presentation. Annenberg. 1995**
Scope and Contents
Slide presentation for Level 2 Implementation requirements

**Box 41, Folder 8**

**ADA 9X Requirements. May 1991**
Scope and Contents
Association is given in three ways: by requirement number, by RR and AI # and in order by keywords.

**Box 41, Folder 9**

**Conversion of Automatically Generated Forms Specs to Office ODA. Dr. K. Hennessey**
Scope and Contents
Acetate slide presentation with Katragadda, Taquee (SUN) and Hahn (Korea).

**Box 42, Folder 1**

**Government Network Management Profile. NIST. March 8, 1991**
Scope and Contents
The standard reference for all federal agencies to use when acquiring Network Management functions and services for computer networks

**Box 42, Folder 2**

**FDV Forms Library**
Scope and Contents
FDV Forms Library running on SUN OS ver 4.03 is a library of calls for FMS Form Files.

**Box 42, Folder 3**

**NIST Publication Listings**
Scope and Contents
Listing of NIST Publications for Summer 1991

**Box 42, Folder 4**

**ODA Authors List. 1992**
Scope and Contents
List of ODA Authors with sample letters to many of those authors.

**Box 42, Folder 5**

**GOSIP Proposal. Dr. K. Hennessey. 1989**
Scope and Contents
Proposed Center for Open Systems Research between TTU and Boeing

**Box 42, Folder 6**

**OIW. NIST. April 3, 1992**
Scope and Contents
NIST Open Systems Environment Implementor’s Workshop.
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<td>box 42, folder 7</td>
<td><strong>Report from Meeting X3V1. Accredited Standards Committee. 1990</strong>&lt;br&gt;Scope and Contents&lt;br&gt;NIST meeting to report on X3V1 with Cahir Millard Collins</td>
</tr>
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<td>box 42, folder 8</td>
<td><strong>OIW ODA SIG Minutes. JW Wing. 1992</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Meeting was chaired by JW Wing. Minutes and other documents are in this folder</td>
</tr>
<tr>
<td>box 42, folder 9</td>
<td><strong>ODA CT Specification. 1992</strong>&lt;br&gt;Scope and Contents&lt;br&gt;CPS Forum to create a common technical solution to OSI conformance testing</td>
</tr>
<tr>
<td>box 43, folder 1</td>
<td><strong>FIPSE Proposal. Dr. K. Hennessey. Oct. 1994</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Notes (handwritten and typed) for 1995 Fiscal Years Grant on Fund for the Improvement of Postsecondary Education.</td>
</tr>
<tr>
<td>box 43, folder 2</td>
<td><strong>Distance Learning. 1996</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Budget and proposal for FIPSE Distance learning project.</td>
</tr>
<tr>
<td>box 43, folder 3</td>
<td><strong>Analysis: Distance Learning Architecture. Dr. K. Hennessey et al. August 1994</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Report on introducing distance learning program. Grant/funding papers.</td>
</tr>
<tr>
<td>box 43, folder 5</td>
<td><strong>Texas Instruments Contract. 1994</strong>&lt;br&gt;Scope and Contents&lt;br&gt;TI is contracting to license Image Compression Technology developed at Texas Tech University.</td>
</tr>
<tr>
<td>box 43, folder 6</td>
<td><strong>KBIA Meeting. April 1992</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Technical review meeting for KBIA.</td>
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<td>box 43, folder 7</td>
<td><strong>KBIA Proposal. Dr. K. Hennessey. 12/1991</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Proposal written for Knowledge Based Image Analysis which was funded by Texas ATP Grant.</td>
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<td>box 43, folder 8</td>
<td><strong>Sarnoff Subcontract. March 4, 1992</strong>&lt;br&gt;Scope and Contents&lt;br&gt;Sarnoff subcontract signed, and correspondences. KBIA Navy research, budget cost documents, and proposal.</td>
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box 43, folder 10  KBIA Correspondence. 1991
Scope and Contents
Various letters, faxes and other types of correspondence for the KBIA Project.

box 43, folder 11  Supplemental Minority Grant. Ernest Blackwell. 1994
Scope and Contents
Documentation for supplemental minority ATP Grant for minority student Ernest Blackwell.

Scope and Contents
John Hopkins University APL grants license for Radiant Tin project.

box 44, folder 1  KBIA Progress Review. 12/1991
Scope and Contents
Progress review meeting notes, agenda for KBIA. Many transparencies, research plan 1992 - 1994, and image files form Sarnoff.

Scope and Contents
Planning meeting to discuss various hardware options. Folder includes brochures from options discussed.

box 44, folder 3  Budget issues, Radiant Tin. June 1992
Scope and Contents
Folder contains various documents that discuss budget for Radiant Tin project.

box 44, folder 4  NSF National Challenge Group. Dr. K. Hennessey. 1994
Scope and Contents
Proposed research project based on existing Knowledge Based Image Analysis techniques.

box 44, folder 5  ATP Project Extension. 1990
Scope and Contents
Request for project extension on ATP advanced research.

box 44, folder 6  AVI-3 Progress meeting. 1992
Scope and Contents
Notes and document from progress meeting and correspondences.

box 44, folder 7  Institute Proposal. 1994
Scope and Contents
Proposal to pull the ISOA out of the area of ISQS

box 44, folder 8  Intent to submit proposals. Dr. K. Hennessey. 1995
Scope and Contents
Three letters were written to University with intent to submit proposals. One letter is shown.

box 44, folder 9  Healthnet Agreement. Dr. K. Hennessey. May 1994
Scope and Contents
Memorandum of agreement between ISOA and Health Net at Texas Tech University.
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| box 44, folder 10 | **Healthnet Project Plan. September 1994**  
Scope and Contents  
Interagency contract between ISOA and Healthnet |
| box 44, folder 11 | **TI Project Extension. 02/1995**  
Scope and Contents  
Extension of project with TI on Account #1453-44-9438 |
| box 44, folder 12 | **Texas Natural Resource Commission. November 1994**  
Scope and Contents  
Several letters for proposals on Commission's need for research. |
| box 44, folder 13 | **Radiant Tin Contract. August 1992**  
Scope and Contents  
Focus on the development of an application that scans imagery rapidly and compares imagery to a knowledge base. |
| box 45, folder 1 | **Technology Development & Transfer. Dr. K. Hennessey. 1995**  
Scope and Contents  
A technique that allows semiconductor manufacturers a good inspection tool. |
| box 45, folder 2 | **ATP Proposal. Dr. K. Hennessey. 1993**  
Scope and Contents  
ATP proposal in manufacturing technology. |
| box 45, folder 3 | **RFP for Radiant Tin. Dr. K. Hennessey. September 1995**  
Scope and Contents  
RFP for continuation of Radiant Tin - to DA Packard at Johns Hopkins. |
| box 45, folder 4 | **TD&T photo Inspection Project. Dr. K. Hennessey 1996**  
Scope and Contents  
Proposal and notes for ATP TD&T photo inspection project |
| box 45, folder 5 | **TD&T Proposal. Dr. K. Hennessey. 1997**  
Scope and Contents  
Proposal and ATP Program announcements for Integrated Automatic Defect and Classification system. |
| box 45, folder 6 | **TD&T Proposal. Dr. K. Hennessey. 1999**  
Scope and Contents  
Proposal and ATP Program announcements for Integrated Automatic Defect and Classification system. |
| box 46, folder 1 | **NSF Proposal 89971. Dr. K. Hennessey and Hsiew. June 2000**  
Scope and Contents  
Knowledge based electronics process characterization: a joint academic industrial initiative. |
| box 46, folder 2 | **ATP Proposal. Dr. K. Hennessey. 1997**  
Scope and Contents  
K-base image indexing. ATP proposal #003644-135. |
box 46, folder 3  NSF 00-66 Notes. June 2000  
Scope and Contents  
Work notes for the NSF proposal 00-66

Scope and Contents  

Scope and Contents  
Paper on wafer images and OCR demos.

Scope and Contents  
Paper on genetic algorithms.

box 46, folder 7  Systems Privacy Younger Report  
Scope and Contents  
Scanned Chapter (5) of a book or article/journal for research about: the history of privacy, computer privacy, ethics, and computers.

box 46, folder 8  The Ethics Method. Manchester Business School. Computer Research Unit  
Manchester Business School  
Scope and Contents  
Document 1, effective technical and human implementation of computer systems

Scope and Contents  
A confidential document that discusses the workshop, meeting plan, agenda about/for wire circuit repair.

Scope and Contents  
Memorandum and Letter re: Interview with Stephen DeMoor of TI regarding User Interface

box 47, folder 3  Flowchart Wafers, KLA LEICA + ADC  
Scope and Contents  
Notes, Chart/graph

box 47, folder 4  NASA intelligent systems technology research  
Scope and Contents  
Research, and letter to Dr. Hennessey

Scope and Contents  
Confidential documents about agenda, images of circuits

box 47, folder 6  Technology Transfer Meeting. Texas Instruments. 02/13/1995  
Scope and Contents  
Meeting booklet
box 47, folder 7

Ivan H. Sudborough

Scope and Contents
Application for employment, UTD intern.

box 47, folder 8

National Trade Data Bank Market Reports. September 15, 1993

Scope and Contents
Report

box 47, folder 9


Scope and Contents
Results of image analysis of thin sections from well cuttings are expected to replace some requirements for core data.

box 48, folder 1


Scope and Contents
Paper on OCR and running the program.

box 48, folder 2

Analysis of thin sections of well cuttings

Scope and Contents
A summary, permeability and capillary pressure from porosities.

box 48, folder 3


Scope and Contents
Letters, and image. As well as directions to InfoMart?

box 48, folder 4

TTACS2 OGWSW Job 277, Symbolic. 05/20/1992

Scope and Contents
Job receipt

box 48, folder 5

Knowledge Aquisition Articles. Yasdi, Ramia

Scope and Contents
Book excerpt, various articles. And two transparincies.

box 48, folder 6

ICIR Christmas Card. 1997

Scope and Contents
Christmas card design.

box 48, folder 7

TI Technology Transfer. 02/13/1995

Scope and Contents
Multiple documents – Random Logic and Circuit repair by K. Hennessey, Ph.D., Presentation – Knowledge base Organization, Image Data Compression, Automatic Defect Classification, & Base Technology Knowledge-Based Image Analysis in Symbolic Space

box 48, folder 8

TTU Invention Disclosure Form Web-based Integrated Yield Management System.

Scope and Contents
Invention description for Web-based Integrated Yield Management System, the problem it solves, solution, Date when conceptually completed- August 25, 1999, and plans for it

box 48, folder 9

UMIST – notes and list of phone numbers

Scope and Contents
One page, mostly hand-written list of telephone numbers and notes.
box 48, folder 10  KLA Workshop - OHPs. 1993
  Scope and Contents
  Packet of overhead transparencies with notes.

box 48, folder 11  The Presidents’ Form of Dallas. 04/24/2002
  Scope and Contents
  The Presidents’ Forum of Dallas. The Cityplace Conference Center Final Registrant List.

box 48, folder 12  Sematech i300i. 1/22/97
  Scope and Contents
  Powerpoint Presentation: Automatic Defect Inspection and Classification by Dr. Kathleen Hennessey President, ISOA, Inc.

box 48, folder 13  Sematech. March 7-9, 1994
  Scope and Contents
  Defect Management Workshop information and correspondence.

box 48, folder 14  Sematech - Documentation for Wafer
  Scope and Contents
  Notes and demos.

box 49, folder 1  Sematech Correspondence
  Scope and Contents
  Memos, emails, faxes and notes.

box 49, folder 2  Sematech. 1996
  Scope and Contents
  Primarily internal correspondence regarding Sematech.

box 49, folder 3  Sematech. Jan 29, 1997
  Scope and Contents
  Sematech Meeting Minutes for the After-Develop Inspection (ADI) Tool Definition Workshop.

  Scope and Contents

box 49, folder 5  Semipac ADC-AMD. 1995
  Scope and Contents
  Restatement of Software License and Development Agreement.

box 49, folder 6  Sematech Proposal i300i. 11/1996
  Scope and Contents
  Request for Proposal and responding documents.

box 49, folder 7  Sematech Project
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  Correspondence
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| 49, 8      | Automated Defect Classification Knowledge Base Creation and Enhancement  
  Scope and Contents  
  Automated Defect Classification Knowledge Base Creation and Enhancement paper and correspondence |
| 49, 9      | AMD - Bill Funsten  
  Scope and Contents  
  Nondisclosure Agreement AMD and ISOA. |
| 49, 10     | JEDEC Convention Brochure. March 25-26, 2002  
  Scope and Contents  
  Convention brochure, notes and correspondence. |
| 49, 11     | JEDEC SC Initial Meeting. 04/20/99  
  Scope and Contents  
  Meeting Agenda, Presentation – Standard Format Semiconductor Defect Data Exchange. |
| 49, 12     | JEDEC Correspondences  
  Scope and Contents  
  Article – German Firm Alleges Forgent “JPED” claims invalid. |
| 49, 13     | JEDEC. 2001  
  Scope and Contents  
  Email approvals and notes. |
  Scope and Contents  
  Scope and Contents  
  Proposed draft standard for the interchange of semiconductor defect data among heterogeneous data formats. |
| 50, 1      | SEM-EDS Based ADC Tool Specification Strawman.  
  Scope and Contents  
  Reports, ADC Project Interest Request (PIR), Powerpoint presentations, Meeting Minutes 1-28-97, International 300mm Initiative – Equipment Performance Metrics, Sept 30, 1996. |
| 50, 2      | Sematech Meeting. Jan. 19-21, 1999  
  Scope and Contents  
  YieldView Presentation, 1999 Sematech Annual Report, Meeting Minutes for the SEMATECH 3-Beam Based Patterned Wafer Defect Detection Workshop. |
| 50, 3      | Leica INS 3000. Leica Microscopy & Scientific Instruments Group  
  Scope and Contents  
  User-friendly Defect Review and Inspection Station. |
| 50, 4      | JEDEC Paper. Hennessey, Wang, Khaja, Kinikoglu, and Lin  
  Scope and Contents  
box 50, folder 5  
**OOSDDS**  
Scope and Contents  
More About JEDEC, Presentation Materials.

box 50, folder 6  
**Semicon West '96 Article. Hennessey, Cleavelin, Bennett**  
Scope and Contents  
Integrated Defect Management: Using a Knowledge-Based Approach, working copies

box 50, folder 7  
**Reports - various**  
Scope and Contents  

box 50, folder 8  
**Johns Hopkins University Purchase Contract**  
Scope and Contents  
Addendum and correspondence(s).

box 50, folder 9  
**John Baltzer - TechCor Group 2002**  
Scope and Contents  
John Baltzer - Notes - Sherman Technology Center Jan 26, 2001

box 50, folder 10  
**Museum Photo of Herman Hollerth's 1st punch card machine - 1880**  
Scope and Contents  
Photographs – first punch card machine

box 50, folder 11  
**SSDDAI Sematech Standard Group. 1999**  
Scope and Contents  
Correspondence, Notes, Emails

box 50, folder 12  
**Copies of Articles for ADC. 1994**  
Scope and Contents  

box 50, folder 13  
**Scenario of AVCR – Tencor, TI. August 1994**  
Scope and Contents  
Faxes, Summary, Tencor Instruments review file format specification for SFS-7x00 software release, notes.

box 50, folder 14  
**00 Defect Standard. 1999**  
Scope and Contents  
JEDEC presentation

box 50, folder 15  
**Coast Guard Requirements (RTIN). Girton & Coffey**  
Scope and Contents  
Multi-Mission/Multi-Requirements – Coast Guard Gaps in Detection, Classification, Identification, and Surveillance Capability, report and presentation.
Defense Research Associates
Scope and Contents
Notes

ADI Workshop (Photo Inspection) Austin, Texas. Jan. 29, 1997
Scope and Contents
Agenda and presentation

i300i Supplier Workshop Agenda
Scope and Contents
Agenda and Workbook

Scope and Contents
Letter to Mactronics, presentation, correspondence.

Scope and Contents
Preliminary – Equipment/Process Requirements and Test Procedures for the Automated After-Develop Inspection (ADI) System.

Wigington- Joint Venture Agreement
Scope and Contents
Request for review of and recommendations to proposed agreement between TTU and ISOA.

Automated Defect Classification System Version 1.02. ISOA Inc. June 25, 1995
Scope and Contents
Proprietary training booklet. Airplane tickets/boarding pases dated in February.

Automated Defect Classification & Random Logic Circuit Repair Workshop. October 27-29, 1993
Scope and Contents
Three Day Workshop/Planning Meeting Workbook.

Scope and Contents
Report stating work performed including patents pending, articles published and technical reports using research funding.

All Kids Count Immunization Initiative. City of Lubbock Health Department
Scope and Contents
Tri-fold mailer describing planned program for monitoring and tracking immunizations in children.

Acct Sum Rpt Knowledge Based Image Analysis. TTU Health Sciences Center. Aug-Nov, 1993
Scope and Contents
Expense Budget Summary
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<td>Memo K Harris TTU APL Subcontract. K. Harris, TTU. May 12, 1995</td>
<td>Funding issues – temporary budget adding $70,000 extending through August 31, 1995.</td>
</tr>
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<td>box 51, folder 12</td>
<td>Dyleague Speaker Kit</td>
<td>Outline for presentation, Dynamic Storage and Access of Data from Images by Dr. Kathleen Hennessey.</td>
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<td>box 51, folder 14</td>
<td>The Building Blocks of AI Software</td>
<td>Presentation – How a program learns, Observed, Inferred, Learned</td>
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<td>box 51, folder 15</td>
<td>A Commitment to Action by Dr. Kathleen Hennessey</td>
<td>Recipient of 1882 Distinguished Information Sciences Award, Basic principles of information systems, encourage collaboration between the information industry, users and academia.</td>
</tr>
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<td>box 51, folder 17</td>
<td>Texas Dept of Health, E Svenkerud Letter Rural Health Outreach Grant RFP. March 9, 1993</td>
<td>Unified Immunization Plan for Texas</td>
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<td>box 51, folder 20</td>
<td>Dynamic Storage and Access of Data from Images. ISOA</td>
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| 51  | 22     | Third Annual Research Awards Banquet Sigma Xi. April 16, 1996  
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Banquet program |
| 52  | 1      | December 1991  
Scope and Contents  
Pictures of staff party. |
| 52  | 2      | Health Care  
Scope and Contents  
Data Quality in the Medicaid Statistical Information System, Strategic Mapping of Primary Care Physicians in Lubbock |
| 52  | 3      | ISECON ’94 (DPMA), Louisville KY October 28-30, 1994  
Scope and Contents  
Program Information, Presentation Acceptance |
| 52  | 4      | ISECON 94 - OO COBOL October 28-30, 1994  
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Information Systems Education Conference, Cobol Workshop |
| 52  | 5      | Turkey, Ankara, November 1994  
Scope and Contents  
Preparation documents, Applications for Official Travel. |
| 52  | 6      | IS/IT Research Center Directors’ Meeting December 1994  
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Agenda and Presentation Material |
| 52  | 7      | TI, KLA Workshop 10/27-29/1993  
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| 52  | 8      | Navy - Washington Demo  
Scope and Contents  
Presentation overheads |
| 52  | 9      | Defense Conversion Matchmaking Fair, Plano, May 11, 1993  
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Matchmaking event, participants, focus areas |
| 52  | 10     | Trade Show - Copies for Plano 5/4/93  
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Copies – Optical Character Reading, Signal Intercept System, A Dynamic Storage and Access of Data from Images, Analysis of Thin Sections of Well Cuttings, Knowledge-Based Measurement of Interlayer Registration, and a document Government Points of Contact for the Tech Focus Areas PIP |
| 52  | 11     | Australia, Melbourne, January 1993  
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Travel plans, Requested presentation letter |
box 52, folder 12  **Latrobe Univ – Bundoora Australia**  
Scope and Contents  
Classification and Segmentation of Rotated and Scaled Textured Images Using Texture “Tuned” Masks, J. You, H.A.Cohen, Travel Application

box 53, folder 1  **North Am Conf (San Antonio). April 1993**  
Scope and Contents  
Tutorials, Workshop for Developers of Electronic Patient Record Systems

box 53, folder 2  **Thailand, Bangkok. August 1993**  
Scope and Contents  
Travel Documents

box 53, folder 3  **Sterling Zim Conference Dallas. May 3, 1993**  
Scope and Contents  
Registration Information, A Dynamic Storage and Access Of Data From Images

box 53, folder 4  **Orlando Presentation on COBOL Object-Oriented. 1993**  
Scope and Contents  
Micro Focus User Conference, Presentation

box 53, folder 5  **Health Care RFP's. January 13, 1994, Closing Date March 24, 1994**  
Scope and Contents  
ORD General Solicitation

box 53, folder 6  **Animal Science Project Notes. Dr. Hennessey**  
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Lowell Shackle - Animal Science

box 53, folder 7  **Multimedia**  
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Computer programming information

box 53, folder 8  **DPMA – Client Server. November 16, 1993**  
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box 53, folder 9  **Medical Project Prospects - Sponsors**  
Scope and Contents  
Potential Sources of Funds for Medical Information Systems Research

box 53, folder 10  **Requisitions Systems Research. December 1993 1650-44-3965**  
Scope and Contents  
Request for Payment of Food and/or Refreshments

box 53, folder 11  **Multimedia Proposal to NSF-ATT. Sept. 1, 1992**  
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| 53, folder 14 | **Navy Image Project**  
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Exhibitor Information, Report of Material Shipped, Notes. |
| 53, folder 15 | **Research Training in Knowledge Based Image Analysis Due Dec 15, 1992**  
Scope and Contents  
Not Selected Letter, Internal Routing Sheet for Sponsored Projects |
| 53, folder 16 | **Methodist Hospital Communication & Image**  
Scope and Contents  
Proposed Development of Medical Image Management Facilities, Correspondence |
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Meetings, Committee Members, Draft Letter to Departmental Chairpersons |
| 53, folder 18 | **TI, LMOS YMS**  
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Preliminary Specification for TI, LMOS Yield Management System: File Indexing |
| 53, folder 19 | **Rastogi**  
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Fax to Vineeta Rastogi from ISOA, Student Commencement Speech |
| 54, folder 1 | **Chugiak High School**  
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| 54, folder 2 | **Dennis Johnson, Chugiak H.S.**  
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| 54, folder 3 | **Correspondence Jan 1997**  
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Correspondence |
| 54, folder 4 | **Correspondence Feb 1997**  
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| 54, folder 5 | **Correspondence March 1997**  
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Correspondence |
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<td>Correspondence May 1997</td>
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Various documents. Agreement between Texas Tech University and Kookmin University.  

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Institute for Studies of Organizationa Automation Draft statement of goals for the year 2000  

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Thesis - The Design & Implementation of PCDEC Interactive Decision Table for Personal Computers – 2 copies

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Proposed Center, a collaboration between Information Systems and Quantitative Sciences of TTU and U of Missouri at Kansas City to facilitate adoption of Open Systems Interconnection Application Standards

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International Information Management Associations Constitution and Bylaws

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Presentation of proposals for rangeland with maps

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**Vision System Demo Facilities Final Report. 8/11/97. Dr. Kwang-Soo Hahn, Kookmin University, Seoul, Korea**  
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Copies of report submitted to Dr. Hennessey including work completed and in process

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Wafer Parametric Test - Entity-Relation Diagram and Results

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Forum Description – Discover the potential of IP Telephony

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**Head Trauma References**  
Scope and Contents  
Automated Identification of References to Head Trauma in Medical Records Proposal

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**Final Report Memory Writer Interscript Project. Dr. A. K. Hennessey. 4/18/86**  
Scope and Contents  
Final Report Memorywriter Interscript Project Submitted to Xerox Corp
Dynamic Rescheduling System for Manufacturing Systems. Dr. Hennessey, Kwang-Soo Hahn, Zulfikar Rashid, Milton Smith
Scope and Contents
Knowledge-based Simulation for Initial Learning of a Dynamic Rescheduling System for Manufacturing Processes

Method of Partial Clustering for Image Processing. Dr. Ilya B. Muchnik
Scope and Contents
Paper - A method of Partial Clustering for Image Processing (Applied to X-Ray Analysis) with correspondence

Graph Theory Methods in Analysis of Model Structure. P. O. Aven, L. I. Borodkin, I.B. Muchnik
Scope and Contents
The possibility for using graph Theory methods for analyzing and evaluating the given set of indicators, methods suggested in present work appeared in analysis of three global models: World 3, Mesarovic and Pestel model and MOIRA

Resume of Ilya B. Muchnik, Ph.D. and miscellaneous correspondence

A Presentation to the Boeing Corporation

Status Report with Dr. Hennessey, Dr. Lin and Francisco Delgadillo, Jr. on the front cover

Publication includes article, Visual Inspections Without a Blink

Series 1. Research and Teaching

Various Papers Part 2. Dr. A. Kathleen Hennessey

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Xiaoxiang Rao

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Correspondence with Xiaoxiang Rao and thesis, A Comparative Study of Texture Analysis Methods.

NIST - ATP 5/23/97

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ATP Proposal and related correspondence

ICIR Research Program Presentation to Cassidy Associates 11/21/96

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Powerpoint Presentation, ICIR Background and Current Status, Facilities, Capabilities, Partnerships and alliances, Future plans, and Government and military R&D potential

Tech/UTD Correspondence

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Faxes, emails, memos, letters and notes

ATTP Correspondence. 1998

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SPIE - VCIP '97 Data Compression using Symbolic Coding of Still Images

Scope and Contents
Paper presented at SPIE’s Electronic Imaging ‘97, February

NIST: Integrated Automated Yield Management. ISOA Corp. 1997

Scope and Contents
Exhibit A, Statement of Work, Integrated Automated Yield Management: Detect Detection, Classification, and Imagebase, January 2, 1997
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Creating Sensorep and Simulating a transmission to a Remote
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Print screen

Radiant Tin TTU Navy TENCAP The Johns Hopkins University, Applied Physics Laboratory
Scope and Contents
Presentation notebook, 29 photos

Radiant Tin Image Dissemination Prog Documentation TID 3.0. ISOA. July 27, 1995
Scope and Contents
The current version described in this document is 3.0. It is a hybrid technique that produces symbols of edges (lines, arcs), extracts the edges from the image, and compress the remaining textures. Program documentation.

Radiant Tin Image Analysis Documentation for TIA 4.2 Library. May 5, 1997
Scope and Contents
This document describes the Alignment and Delta detection portion of the Tin Image Analysis (TIA) Library.

Radiant Tin Image Dissemination for TID 3.0, July 27, 1995
Scope and Contents
The Navy TENCAP project Radiant Tin aims to develop software based on a new approach to handling imagery as symbols that represent features in the image rather than with pixels.

Scope and Contents
Using TID Step by Step - instructions to load, compress, restore, save and transmit images.

Knowledge-based Facilities for Defect Management (Special Edition for TI) Source Code. ISOA. TTU. February 13, 1995
Scope and Contents
List of Source Code Files

Automatic Defect Classification (Special ed. for TI). ISOA, TTU. February 13-14, 1995
Scope and Contents
This document describes an approach that allows a semiconductor production unit to incorporate expert knowledge into automates inspection facilities, to use its own terminology and criteria, and to monitor levels of relevant defects.

Knowledge-Based Image Analysis in Symbolic Space ISOA. ISOA. February 13, 1995
Scope and Contents
This document presents a new concept for processing and analyzing images in symbolic space, supported by a knowledge-base.

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Version 4.2
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box 65, folder 6  Statement of Work Automatic Defect Classification (S77)
Scope and Contents
Exhibit A Statement of Work, October 18, 1994 Progress Report Knowledge-Based Image
Analysis, Notes and papers

box 65, folder 7  Sematech Defect Management Workshop. March 7-9, 1994
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Defect Management Workshop notebook, Contamination Free Manufacturing

box 66, folder 1  Memorandum Texas Tech University. Shirley Wittman. August 16, 1994
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Letter to all facult and teaching assistants. Subject Calendar - Fall semester

Scope and Contents
Faculty annual report for Dr. Hennessey

Scope and Contents
Information about an award Dr. Hennessey and her colleagues recieved.

box 66, folder 4  Adjunct Professorship WTAM. Dr. Hennessey. Oct. 1994
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Appointment recommendation form.
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Object Oriented programming in COBOL. Conference presentation, transparencis. |
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| 67, 4       | **Patent order form. March 13, 1997**  
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| 67, 5       | **Professional tools for practitioners catalog. Addison-Wesley. Spring/Summer 1997**  
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Automated Visual inspection using syntatic representation of images and memo.  
MS90-487 |
| 68, 5       | **Materials found in remainder of original box 26**  
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Files, marked microfocus demo; individuals' business cards, IEEE Re. practive for software design descriptions. ISOA Image understanding system |
Materials found in remainder of original box 26
Scope and Contents
Key request forms, correspondence, memos. Texas Tech University college of business administration and 1 key.

Using Data-Bound Controls
Scope and Contents
This is a series of web pages that discusses how to use the data-bound controls that ship with C++ 4.2

MainFrm.cpp
Scope and Contents
C++ library routine for implementation of the CMainFrame class

Knowledge Based Facilities - Defect Management. ISOA. Feb. 1995
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Automatic Defect Classification. ISOA. February 1995
Scope and Contents
This document discusses automatic defect classification for high resolution VLSI

Automatic Defect Classification. ISOA. 1993
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Knowledge Based Image Analysis in Symbolic Space. ISOA
Scope and Contents
Presents a new concept for processing and analyzing images in symbolic space, supported by a knowledge base analogous to the way a human brain processes images

Knowledge Based Image Analysis – Electroglas. ISOA. May 1995
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Processing and analyzing images in symbolic space, supported by a knowledge base analogous to the way a human brain processes images. Doc for Electroglas

Knowledge Based Image Analysis – Electroglas. ISOA. May 1995
Scope and Contents
Processing and analyzing images in symbolic space, supported by a knowledge base analogous to the way a human brain processes images. Doc for Electroglas

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File contains VHS format video tape of lecture by Garlyn Warren

OCR Syntactic Method. ISOA. May 1995
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Implicit syntactic method for Distorted Noisy images (Special edition for Electroglas)
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<td><strong>Part 2: Radiant Tin Image Dissemination. US Navy. July 1995</strong></td>
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<td><strong>Automatic Defect Classification. ISOA. June 1996</strong></td>
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<td>Automated Visual Circuit Repair Workshop status meeting Agenda and proceedings</td>
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<td><strong>Implicit Syntactic Method OCR. ISOA. March 1992</strong></td>
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box 71, folder 8  **ISQS. Dr. Hennessey. 1993**  
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ISQS Business Programming Languages, course descriptions and proposals for 93-94 School Year.

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Meetings and minutes from Faculty Senate.

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box 72, folder 2  **International Cultural Center Guide. 1994**  
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Proposal for a Research and Education Opportunity for the Cultural Center.
Series 1. Research and Teaching

box 72, folder 3  **ICASALS. 1994**  
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box 72, folder 4  **Global Systems Studies. 1993**  
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Newsletter: October 1993 discusses new course and Information Sciences Degree

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box 72, folder 8  **HEAF Issues. 1993**  
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Proposals to use analysis of Satellite imagery to study dust storms

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box 72, folder 13  **ISO 9000. Fortune MAg. June 28 1993**  
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Article discussing ISO 9000 style of quality management that is popular in Europe.

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box 73, folder 3   MGT 3373 Steering Committee. 1990
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  Managerial Communication Steering Committee Agenda for October 1990

box 73, folder 4   ISQS 6338. 1987
  Scope and Contents
  New course titled: Systems and Information Concepts in Organization

box 73, folder 5   COBA Faculty Meeting. 1992
  Scope and Contents
  Outline of Phase three of the Strategic Planning Task Force of COBA

box 73, folder 6   ISQS Meetings. 1991
  Scope and Contents
  Notes, correspondence and minutes from ISQS Meetings in 1991
box 73, folder 7  ISQS Meetings. 1992
Scope and Contents
Notes, correspondence and minutes from ISQS Meetings in 1992

box 73, folder 8  Westfall Book Proposal. 1993
Scope and Contents
Peter Westfall will create a computerized statistics book for Undergrad students

box 73, folder 9  BA4382 Jarrell Kendrick. 1992
Scope and Contents
Required paper for the BA Internship written by Jarrell Kendrick

box 73, folder 10  COBA MIS Advisory Board. October 1988
Scope and Contents
Graduate faculty meeting for COBA

box 73, folder 11  DOE Internships. 1989
Scope and Contents
Summer research assistants and DOE internships for 1989

box 73, folder 12  computer & spectrum magazine for ATC, system specification notes for Info Theory, and Misc. articles
Scope and Contents
computer & spectrum magazine for ATC, system specification notes for Info Theory, and Misc. articles

box 73, folder 13  Articles for ATC, Masters for student copies
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Articles for ATC, Masters for student copies

box 73, folder 14  ISQS 7338 Summer 1 ‘89
Scope and Contents
ISQS 7338 Summer 1 ‘89 syllabus, notes at Texas Tech University

box 73, folder 15  Info system - INTRO
Scope and Contents
Transparencies and slide/presentation information

box 73, folder 16  IBM systems journal
Scope and Contents
IBM systems journal, article about research

box 73, folder 17  7338 - Objects - oriented S.C. Elizabeth Gibson
Scope and Contents
Article/journal, 2 copies, titled" Objects-Born and Bred

box 73, folder 18  7339/9 Documentation - Forms.
Scope and Contents
Blank, records, Documentation - Forms.

box 73, folder 19  AVI - SRL(2) Knowledge base New “Seminars.” A.K.C. Wong, M. You, and C. Chan
Scope and Contents
Article
box 73, folder 20  ISQS 7338 Articles. Sasa M. Dekleva. De Paul University
Scope and Contents
Article

box 74, folder 1  7339 MISC
Scope and Contents
Transparencies, diagrams

box 74, folder 2  7338 - ATC Case. Summer ‘93
Scope and Contents
Notes, diagram/drawings, background study draft

box 74, folder 3  ISQS 7344
Scope and Contents
Class roster and what could be a syllabus

box 74, folder 4  7338 Summer ‘91
Scope and Contents
official class roster

box 74, folder 5  IEEE Standard Taxonomy 7338 for software engineering standards
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Paper/research and transparencies

box 74, folder 6  BEAM - System Models
Scope and Contents
transparencies

box 74, folder 7  Summer 1993 _Articles.
Scope and Contents
SIG-AI Press letter and article "Induction, knowledge and expert systems" by J.R. Qunian

box 74, folder 8  ISQS 7338 Kowal CHAPTER 11
Scope and Contents
transparencies

box 74, folder 9  ISQS 7338 Kowal CHAPTER 12
Scope and Contents
transparencies, diagrams

box 74, folder 10  IEEE Recommended Practice for Ada. 1986-1987
Scope and Contents
Ada is a registered trademark of the U.S. Government. IEEE standards document

box 74, folder 11  7338 - Syllabus & IEEE SRS Summer ‘91
Scope and Contents
Special report, class roster, receipt from office of the registrar Texas Tech University

box 74, folder 12  ISQS 7338 Summer
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Change of grade from office of the registrar Texas Tech University, teaching materials/assignments
box 74, folder 13  
**Course work 7338**  
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box 74, folder 14  
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Notes, examination book(s), from office of the registrar Texas Tech University, teaching materials, article, misc.

box 74, folder 15  
**Shannon's IB 3349**  
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Teaching materials, transparencies

box 74, folder 16  
**3349 - Intro**  
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box 75, folder 4 7338 Chapter 7 Kowal
Scope and Contents
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box 75, folder 5 7338 Chapter 9 Kowal
Scope and Contents
Teaching materials and transparencies

Scope and Contents
Technical Paper on The Integration of Automated Defect Inspection into the Defect Density Engineering Strategy of a Manufacturing Line.

box 75, folder 7 AVI 3 - Project
Scope and Contents
Defect classification project notes, summary proposal budget, research objectives, TI AVI Patent Family flowchart, minutes of planning and progress review meetings.

box 75, folder 8 Automated Visual Inspection Using Syntactic Representation. Dr. Hennessey and Dr. Kwang-Soo Hahn
Scope and Contents
Research materials, flowcharts and diagrams on automated visual inspection. Includes transparencies.

box 75, folder 9 By-Laws of Petrogeological Image Analysis Consortium
Scope and Contents

box 75, folder 10 AVCR/ADC. Feb. 1995
Scope and Contents

box 75, folder 11 Navy Tencap Images. Dr. Hennessey. 1993
Scope and Contents
Navy Tencap Images and Hercules Database access procedures.
box 75, folder 12  **Texas Higher Education Coordinating Board. October 17, 1997**  
Scope and Contents  
Technology Development and Transfer proposal acceptance letter from the Texas Higher Education Coordinating Board.

box 76, folder 1  **Radiant Tin. Lilis, ISOA. Oct. 26, 1998**  
Scope and Contents  
Dr. Hennessey’s request: Radiant Copies of correspondence with regards to the Radiant Tin’s presentation and exhibition at Pentagon in Washington

box 76, folder 2  **Part One: Correspondence – January 95**  
Scope and Contents  
ISOA - Correspondence for August of 1995.

box 76, folder 3  **Part Two: Correspondence. Jan. 1995**  
Scope and Contents  
ISOA - Correspondence for August of 1995.

box 76, folder 4  **Correspondence - February 1995**  
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ISOA - Correspondence for February of 1995.

box 76, folder 5  **Correspondence - July 95**  
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ISOA - Correspondence for August of 1995.

box 76, folder 6  **Correspondence - August 95**  
Scope and Contents  
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box 77, folder 1  **Correspondence - September 1995**  
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box 77, folder 2  **Correspondence - October 1995**  
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ISOA - Correspondence for August 1995

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| 77, 7      | **ADC Micron visit**  
Scope and Contents  
Meeting notes and copy of project plan for the Micron meeting in Boston. Project Automated Visual Circuit Repair. |
| 77, 8      | **Syntactic pattern recognition. Panagiotis Trahanias. 1990**  
Scope and Contents  
Scientific research document on the syntactic method to recognition of electrocardiogram (ECG) and to the measurement of ECG parameters. |
| 77, 9      | **Yield Diagnosis. Wojciech Maly, Bonnie Trifilo, Randall A. Hughes, Alfred Miller. 1987**  
Scope and Contents  
Scientific research document that describes the framework for the systematic analysis of yield of yield losses. The methodology provided uses tree structure for classification of typical yield loss causes. |
| 77, 10     | **Defect Detection. D. Brzakovic. H. Beck, N. Sufi. 1990**  
Scope and Contents  
Scientific research document that described an expert system which detects and categorizes defects in digitized images. |
| 77, 11     | **Fuzzy Sets - Pattern recognition. W. Pedrycz. 1990**  
Scope and Contents  
Scientific research document that discusses a state of the art of methodology and algorithms of fuzzy sets in the field of pattern recognition. |
| 77, 12     | **Knowledge Based Image Analysis. Dr. Hennessey, YouLing Lin, Ph.D. 1992**  
Scope and Contents  
Special Report - Symbolic Decomposition of Human Face. |
| 77, 13     | **Insystems. Allen Carroll**  
Scope and Contents  
Terms of agreement with Insystems. Licensing of ISOA software. |
| 77, 14     | **ISOA Correspondence**  
Scope and Contents  
Memo to Allan Carroll - provides list of software products and their status |
| 77, 15     | **Knowledge Base PFM. Dr. Hennessey**  
Scope and Contents  
Teaching notes on Defect Detection. Includes transparencies and handouts. |
| 77, 16     | **Motorola - ADC. 1994**  
Scope and Contents  
Copy of disclosure Agreement and response memo addressing this agreement. |
box 77, folder 17  **Lecia & ISOA Inc. 1994**
Scope and Contents
Correspondence between ISOA and Lecia. Includes a quote for GEM/MIS 200 communication link software.

box 77, folder 18  **AVCR Database & Network Worksheet**
Scope and Contents
Copies of worksheets for workgroups. Also included in file are copies of business cards for the workgroup.

box 78, folder 1  **AVI/Electroglas**
Scope and Contents
Correspondence between Texas Tech Univ. and Electroglas. Includes a copy of a Disclosure Agreement.

box 78, folder 2  **ATP-AVI3 Report. Dr. Hennessey**
Scope and Contents

box 78, folder 3  **Electroglass. 1994**
Scope and Contents
Correspondence relative to Dr. Hennessey and team visit to Electroglas, license agreement, and intellectual property.

box 78, folder 4  **Semantech Images. ISOA. 1994**
Scope and Contents
Test Results: Automated Defect Classification. Includes a copy of the results with images.

box 78, folder 5  **Automatic Defect Classification**
Scope and Contents
Images of defect classification.

box 78, folder 6  **Articles - Licensing & Technology**
Scope and Contents
Various articles on licensing and technology.

box 78, folder 7  **Tascosa - Notes**
Scope and Contents
Notes – August 1994

box 78, folder 8  **Semantech - Notes. May 1994**
Scope and Contents
Copies of handouts for meeting regarding the S77 Automatic Defect Classification project. Also includes correspondence.

box 78, folder 9  **Semantech - Benchmark Testing. April 1994**
Scope and Contents
Correspondence related to the Semantech S77 project.
box 78, folder 10  ATP - TTU. 08/1999
Scope and Contents

box 78, folder 11 NSF - Proposal. 1996-1997
Scope and Contents
Copy of proposal to the National Science Foundation. Speech, text, image and multimedia advanced technology.

box 78, folder 12 Sigma X: Mailing List. 1996
Scope and Contents
Mailing list of inactive and active members in the Sigma Chapter.

box 78, folder 13 Conference - SW Center for Advanced Technological Education. Dr. Hennessey, Pinar Kinikoglu, Yakup Kinikoglu. 1994
Scope and Contents
Notes, correspondence and research paper: Analysis of Distance Learning Program Architecture.

box 78, folder 14 TI Software Meeting. 1995
Scope and Contents

box 78, folder 15 Distance Learning - Semiconductor Inspection. 1998
Scope and Contents
Richland College/Collin County Community College Semiconductor Advisory Board Meeting. Notes, handouts and

box 79, folder 1 OCR. May 1995
Scope and Contents
Implicit Syntactic Method for Distorted Noisy Images - Optical Character Recognition/

box 79, folder 2 TTU YieldView Project. 1999-2000
Scope and Contents
Notes from TTU - Project Yield View. Multi-functional integrated system for semiconductor manufacturing.

box 79, folder 3 300mm Supplier Day. 1999
Scope and Contents
300mm Supplier Day – copy of slide presentation.

box 79, folder 4 Xm-Information Processing. 1992
Scope and Contents

box 79, folder 5 Expert System Classifier. Wan Sang Wong
Scope and Contents
Scientific research document – Knowledge Consolidation Using Fuzzy Logic.
box 79, folder 6  |  TI Defense Electronics. 1991  
Scope and Contents  
Scientific article on TI. Global strengths in R&D, design, manufacturing, and marketing.

box 79, folder 7  |  AVI-3 - Final Report. Dr. Hennessey, Dr. YouLing Lin. 1994  
Scope and Contents  

box 79, folder 8  |  AVI-3 - Progress Report. Dr. Hennessey. 1993  
Scope and Contents  
ATI-3 Progress Report of semiconductor project.

box 79, folder 9  |  AVI - Staff Meeting  
Scope and Contents  
Transparencies – Semiconductor project.

box 79, folder 10  |  U.S. Dept. of Commerce. 1992  
Scope and Contents  
ATP Program. Transparencies (Program Description and Objectives) and correspondence relative to wafer inspection.

box 79, folder 11  |  IVS. 1992  
Scope and Contents  
Brochure from IVS – New Accuvision ACV 8000. A Proven Submicron Metrology System for High Speed Measurements in Production Environments. Includes correspondence acknowledging a demo meeting.

box 79, folder 12  |  TI Meeting. 10/1992  
Scope and Contents  
TI meeting notes and handouts relative to Knowledge-Based Image Analysis in Symbolic Space.

Scope and Contents  
ADC Group – Defect Classification Report. Includes notes and correspondence.

box 79, folder 14  |  Leica Equipment. 06/1993  
Scope and Contents  
Invoice copies from Leica purchases.

box 79, folder 15  |  Leica - Disclosure Agreement. 1992  
Scope and Contents  
Confidential Disclosure Agreement between Leica and Texas Tech University. Also included are correspondence and Sales order receipts.

box 79, folder 16  |  Leica - Meeting Presentation  
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Copy of presentation notes – Leica meeting. Includes transparencies.

Scope and Contents  
Final Report Regarding the Neural and Statistical Approaches to Defect Identification.
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Scope and Contents  

box 80, folder 12  **ISOA - TI Seminar. ISOA. 1995**  
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box 80, folder 13  **ADC - Special Addition for KLA. ISOA. 1993**  
Scope and Contents  
Special addition of Automatic Defect Classification for KLA.

box 80, folder 14  **BondPad Photos**  
Scope and Contents  
Description and copy of photos of cracked and punched through bondpads.

box 80, folder 15  **AVI - Memos. 1991**  
Scope and Contents  
Miscellaneous memos relative to the AVI project.

box 80, folder 16  **AVCR- Defect Data Management**  
Scope and Contents  
Transparencies on Defect Data Management.

box 80, folder 17  **AVI-3 - TI Silicon Crystal Project. ISOA. 1992**  
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Correspondence relative to the silicon crystal inspection project.

box 80, folder 18  **AVI-3 - TI Silicon Crystal Project 2. 1992**  
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Notes and correspondence to Clyde McNight, relative to silicon crystal growth, and image analysis project.

box 80, folder 19  **Old Symbolic Codes. 1989**  
Scope and Contents  
Copies of old symbolic codes.

box 81, folder 1  **Information System Theory**  
Scope and Contents  
Notes and research materials on information systems.

box 81, folder 2  **Gamma Network - Prototype Crossbar Switch. Dr. Hennessey, E.T. Farley**  
Scope and Contents  
Research document on parallel processor architecture.

box 81, folder 3  **AVI - Non-Recursive. E.T. Farley**  
Scope and Contents  
Research documentation regarding Automated Visual Inspection of Semiconductor Parts - Neural Network Interface – Non-Recursive. This folder contains multiple copies of this document.
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<td>Threshold Logic. E.T. Farley</td>
<td>Research document on simulation and threshold logic.</td>
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<td>Electrical Database Demo to TI. 1991</td>
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<td>Advanced Research Programs - Proposal. 1989</td>
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<td>AVI - Pattern Recognition and Response to Non-trained Patterns. E.T. Farley</td>
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| 81, folder 14 | TIA 4.0 - Library Document. ISOA. 02/1996 | Document describes in detail about the methods and classes used in implementation of the TIA4.0 library.
box 82, folder 1  
**Radiant Tin II. 02/1996**  
Scope and Contents  
Radiant Tin II Progress Review Meeting notes and images related to project. Includes transparencies.

box 82, folder 2  
**TIA Users Manual - Images. 02/1996**  
Scope and Contents  

box 82, folder 3  
**TIA Flowcharts**  
Scope and Contents  
Flowcharts for the TIA project.

box 82, folder 4  
Scope and Contents  

box 82, folder 5  
Scope and Contents  
Department of the NAVY. Radian Tin Demonstration Summary of the results of RADIAN TIN DEMONSTRATION (FY94).

box 82, folder 6  
**Tin Image Dissemination - User’s Manual. ISOA - Texas Tech Univ. and John Hopkins Univ. 07/1995**  
Scope and Contents  
Documentation focusing on developing innovative techniques for disseminating imagery and graphics products via existing low-data rate tactical communications paths to combat units that rely on low-end data processors to receive and process operational intelligence.

box 82, folder 7  
**Radiant Tin- User’s Manual (Original). ISOA**  
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box 82, folder 8  
**Mitre Non-Disclosure. 10/1993**  
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Copy of the subject agreement signed on behalf of Mitre Corporation.

box 82, folder 9  
**APL Correspondence. 1994-1995**  
Scope and Contents  
Correspondence with the Applied Physics Laboratory of John Hopkins.

box 82, folder 10  
**Image Compression. Texas Tech Univ. and John Hopkins Univ. 1991**  
Scope and Contents  
Research documentation on Digital image processing – Data Compression.

box 82, folder 11  
**APL - Beser. Instructor, Dr. Beser. 11/1995**  
Scope and Contents  
Course description – Data Compression Techniques & Standards. Also includes images and attribute primitives.
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Dr. Beser’s overhead transparencies of Tin Image Analysis. |
| box 82, folder 13 | **Radiant Tin Meeting. Dr. Hennessey and Dr. Lin. 12/1995**  
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Progress Report: Knowledge-Based Image Analysis. |
| box 82, folder 14 | **ODE 2.0 User’s Manual. AT&T Laboratories**  
Scope and Contents  
Database system and environment based on the object paradigm. |
| box 82, folder 15 | **Radiant Tin Documentation. Pino Khiaphi**  
Scope and Contents  
Radiant Tin notes, correspondence and test results. |
| box 82, folder 16 | **Radiant Tin - Flowcharts. 06/1995**  
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| box 82, folder 17 | **APL Meeting. 04/1995**  
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Progress Report: Knowledge-Based Image Analysis. |
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Progress Report: Knowledge-Based Image Analysis. |
| box 83, folder 4 | **APL Meeting. ISOA. 01/1996**  
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| box 83, folder 5 | **Radiant Tin Images & Memos. 01/1994**  
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| box 83, folder 6 | **Radiant Tin - TTU Review Meeting. 02/1994 - 03/1994**  
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<td>Computer World Springer Newsletter, Vol.1, 1997; Also Mission statement for Network Computing Technologies</td>
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<td>Brain Reactive Antibodies and the Blood-Brain Barrier: Observations in Aging Rodents. Vol.13, No.2</td>
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<td>96, 3</td>
<td><strong>Misc. FAX &amp; Email. 1996-1998</strong></td>
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<td>Travel, Foreign Travel to Workshops, Conferences, etc.</td>
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<td><strong>Range Imaging. 1986</strong></td>
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<td>Range Imaging System Based on Binary Image Accumulation</td>
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<td>“A Complexity Measure” describing a graph-theoretic complexity measure; “Concise Papers”-Cyclomatic Complexity Density and Software Maintenance Productivity; and An Entropy-Based Measure of Software Complexity</td>
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<td>96, 6</td>
<td><strong>SRC Research Report. 1/26/94, No.120 2/21/94, No.121</strong></td>
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<td>Dynamic Typing in Polymorphic Languages; Extensible Syntax with Lexical Scoping</td>
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<td>Fast Fourier Transform Algorithm Design and Tradeoffs</td>
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Scope and Contents
Experiments conducted using unfamiliar displays, generated by a digital camera.


Scope and Contents
Importance of Image Matching: Matching – Registration – Landmarks – Point Patterns – Relaxation


Scope and Contents
Paper deals with high speed range finder to get accurate range pictures for 3D object recognition

Linear Textures in Line Drawings. 1986

Scope and Contents
Paper by T. Kasvand. Abstract: “Linear textures are dashed dotted, crosshatched or otherwise marked lines commonly found in engineering drawings

Algebraic Description of Curve Structure. Nishida, Hirobumi and Mori, Shunji. 1992

Scope and Contents
Compact and concise description method of curves in terms of the quasi-topological features and the structure of each singular point


Scope and Contents
Series of articles on images and image processing, published in the CC Users Journal. Subjects include: Spatial Frequency Filtering, Image Operations, Image Processing, etc.

Scale-Based Description/Recognition of Planar Curves and Two- Dimensional Shapes. 1986

Scope and Contents
The problem of finding a description, at varying levels of detail, for planar curves and matching two such descriptions is posed and solved in this paper.

A Standard That Works: JPEG

Scope and Contents
Explanation of JPEG, including “The Discrete Cosine Connection,”, DTC Specifics, Implementing the DTC, Matrix Multiplication, etc.

Objective Dimensionality Reduction using Out-Of-class Covariance. 1986

Scope and Contents
Paper discussing the use of “out-of-class covariance to significantly reduce the run-time computations required to make maximum likelihood, multivariate gaussian (MLMVG) decisions.

Sun COBAL. 03/1989

Scope and Contents
Learning Visual Models from Shape Contours Using Multiscale Convex/Concave Structure Matching. 1993
Scope and Contents
Paper gives a novel approach for learning a visual model from real shape samples of the same class. This article is taken from: IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol.15, No 4, April 1993.

Quotation for TITAN the Solo Supercomputer. 01/4/1988
Scope and Contents
Quotation of cost for Titan Dual Processor system. Brochures included

Zim Performs Feats Other Databases Dream About. 8/21/1989
Scope and Contents
Review of the features and performance of the Zim programming language and development environment for creating data-management applications.

Programmable Browsing in Trellis. 11/1989
Scope and Contents
From Hypertext ’89 Proceedings. Outlines a technique by which a hypertext system can offer flexible, programmable browsing behavior, or browsing semantics Trellis is a prototype hypertext browsing and authoring system.

Lessons for O.R from A.I.: A Scheduling Case Study. 1986
Scope and Contents
This paper compares operational research (O.R.) with the currently fashionable topic of artificial intelligence (A.I.)

Design of Image Parser. 04/14/1989
Scope and Contents
Paper written by Kwang-Soo Hahn about the syntactic analysis of images, to select set of images that will be used as terminal symbols in an image grammar.

Human and Bayesian Information Processing During Probabilistic Inference Tasks. 03/1978
Scope and Contents

Incorporting AI Concepts into Intelligent, Discrete, Next-Event Simulation
Scope and Contents
This is a presentation from James R. Burns, and Darrell Morgeson. The object-oriented paradigms, together with concepts from knowledge engineering, are encorporated into discrete, next-event simulation. This research was supported by the Los Alamos National Laboratories

MVA/SME’s Quarterly on Vision Technology. Winter 1988
Scope and Contents
Review of RAC-Based Camera Calibration, Tsai and Lenz, IBM T.J Watson Research Center; and Calibration and Performance of Machine Vision
box 96, folder 27  
**A Methodology for Applying Diagnosis in Manufacturing. 03/1989**

Scope and Contents
This is a reprint from Working Notes of the AAAI Spring Symposium on AI in Manufacturing, Stanford, CA. Proposal for a design methodology for reducing waste and maximizing machine utilization

box 96, folder 28  
**Introduction to Business Systems Analysis and Design**

Scope and Contents
Introduction to a textbook with information about a particular approach to problem solving in the environment of business information systems. The approach is called: BISAD: Business Information Systems Analysis and Design

box 96, folder 29  
**Extracting and Labeling Boundary Segments in Nature Scenes. 1980**

Scope and Contents
This paper, by John M. Prager, describes a set of algorithms used to perform segmentation of natural scenes through boundary analysis

box 96, folder 30  
**Improved Gate Matrix Layout. 08/1989**

Scope and Contents

box 97, folder 1  
**State of Texas Law and Rules Concerning the Practice of Engineering Registration. Revise 09/1/1993**

Scope and Contents
Guide to Pertinent Information regarding the Law and rules concerning the Practice of Professional Engineering. This is a copy form the Texas State Board of Registration for Professional Engineers

box 97, folder 2  
**Class Report on Seminar**

Scope and Contents
Teaching materials

box 97, folder 3  
**Dialog**

Scope and Contents
Database catalog, a research catalogue,

box 97, folder 4  
**NEC University Faculty Program Grant. 1993**

Scope and Contents
Letter from Robert M. Janowiak informing A.Hennesy of selection to receive a University Grant for the 1994 Western Communications Forum, Feb. 6-9 in Dallas, TX. Copies of other relevant communication, and copy of program included

box 97, folder 5  
**Ultra Pointe Corporation - License Agreement for ADC Technology. 9/1994-1995**

Scope and Contents
Communications from and to Bruce Worster, (and others), License Agreement, and Brochure on Ultra Pointe Laser Imaging System

box 97, folder 6  
**Leica: Microscope, OCR, ADC, Misc. Correspondence. 1994-1995**

Scope and Contents
Records on purchases, Licenses, Invoices, and misc. correspondence with Leica Incorporated
Tencor Instruments Agreement. 1994
Scope and Contents
Communications/agreement between Tencor Instruments and ISOA

OSI Correspondence and notes. 1993
Scope and Contents
Communication with OSI - Specifically John R. Dralla, Ph.D.

Cognex Correspondence. 1993
Scope and Contents
Communication with Justin A. Testa; Documentation of Cognex image test; User Documentation OCR

Scope and Contents
Random Logic and Circuit Repair Progress report, and Automatic Defect Characterization Generation of Repair Bitmap, Approach - II

Navy Contract (Old). 1992
Scope and Contents
Proposed Knowledge-Based Image Analysis Review; Correspondence with David Sarnoff Research Center

“AVI: Production Prototype and Defect Analysis”. 01/22/1993
Scope and Contents

AVI Progress Report II. 08/6/1993
Scope and Contents

AVI Progress Report III. 08/17/1993
Scope and Contents
Progress report to Industrial Steering Committee’ Principal investigators: A.K.Hennessy and YouLing Lin

YouLing Lin’s TI RLRC Workshop
Scope and Contents
Two computer Discs, & Transparencies, used for a workshop, Re: ADC testing on TI’s shop floor Leica Status

SEMATECH Memo: call for Proposals. 06/7/1994
Scope and Contents
Memo sent to ADC Participants regarding the May Defect Detection PTAB, and willingness to receive proposals for ADC beta site tools.

Random Logic Circuit Repair Library Reference Approach I. 05/6/1994
Scope and Contents
ADC/RLCR correspondence. Requisition of Camera for the RLCR project. Also TI purchase order and OCR agreement
box 98, folder 4  Therma-Wave correspondence and Confidential Disclosure Agreement. 08/11/1993
Scope and Contents
Correspondence, Information sheets and Confidential Disclosure Agreement

Scope and Contents
Automatic Defect Classification Contract #34014230, signed on behalf of Sematech and Tencor Instruments

box 98, folder 6  Tencor Correspondence. 1994
Scope and Contents
Reference: Automatic Defect Classification Proposal

box 98, folder 7  OCR Agreement between Electroglas, Inc., Texas Instruments, And Texas Tech. 09/1993
Scope and Contents
OCR Agreement for joint development, licensing, and share of proceeds from sale of Knowledge-based Optical Character Recognition System

box 98, folder 8  Cognex 1993 Agreement between Cognex and Texas Tech University. 1993
Scope and Contents
Correspondence between Cognex and Dr. Hennessy; Agreement between Cognex and Texas Tech University; and Confidential Disclosure Agreement between the two parties listed.

box 98, folder 9  Ultrapointe Corporation proposal to Sematech. 1993-1994
Scope and Contents
Correspondence regarding proposal submitted to Sematech

box 98, folder 10  Knowledge-Based Image Analysis in Symbolic Space (KBIASS). 1993
Scope and Contents
Base technology overview; Transparencies included in the file

box 98, folder 11  Random Logic and Circuit Repair Reports. 05/1994
Scope and Contents
Copy of Random Logic and Circuit Repair submitted May 25, 1994

box 98, folder 12  Analysis of Thin Sections of Well Cuttings
Scope and Contents
Paper on the Analysis of Thin Sections of Well Cuttings: Permeability and Capillary Pressure from Porosities

box 98, folder 13  Navy Tencap Radiant Tin Demonstration. 04/28/1993
Scope and Contents
Report on demonstration and copies showing some capabilities of Radiant tin Software: Image Conversion, Image Understanding, Detection of Man-made or Special Structures, Surveillance and Detection of Delta for a Specified Area, and more.

box 99, folder 1  Course Number ISQS 7338 001, Summer I, 1993
Scope and Contents
Students enrolled in class – Adv. Systems Analysis
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Scope and Contents  
Correspondence regarding Thin Section Software |
| box 99, folder 3 | Photos taken during Staff Luncheons. 1992  
Scope and Contents  
Photos taken during Staff luncheons –February, May, December 1992 |
| box 99, folder 4 | Jacob Thomas correspondence. 1992  
Scope and Contents  
Correspondence regarding Jacob Thomas’s qualifying for a scholarship and other assistance to attend Texas Tech. |
| box 99, folder 5 | International Center for Informatics Research (ICIR) Annual Report. 1996  
Scope and Contents  
Annual Report - ICIR – A Texas Tech University Interdisciplinary Research Program |
| box 99, folder 6 | Miscellaneous Brochures. 1993  
Scope and Contents  
Miscellaneous Brochures – different vendors – Received at the AFCRA Conference 5/1993 |
Scope and Contents  
Technical Report: Kathleen Hennessey, Ph.D., Kwang-Soo Hahn, Ph.D., YouLing Lin, Ph.D.  
The work in this paper funded by 1988 Texas Advanced Technology Program Grant No.1451 and 1989 Texas Advanced Technology Program Grant No.003644-209 |
| box 99, folder 8 | Power of Attorney, for AVI Project; and blank Invention Disclosure Form. 1990  
Scope and Contents  
Power of Attorney signed copies relating to AVI Project for the State of Texas Advanced Technology Program Grants 1451 and 003644209; also blank copy of Invention Disclosure form |
| box 99, folder 9 | Texas Advanced Technology, Program Grant Progress Review Meeting. 09/4/1991  
Scope and Contents  
Minutes of Progress Review Meeting on Texas Advanced Technology Program, Grant No. 003644-209 |
Scope and Contents  
Intellectual Property Rights for Automated Visual Inspection Product; Also copy of Intellectual Property Policy; and:“Keeping a Notebook and Protecting Your Intellectual Property” |
| box 99, folder 11 | Non-Disclosure Agreement with U.S. Navy. 10/30/1990  
Scope and Contents  
Confidential Disclosure Agreement with U.S. Department of the Navy (Lieutenant James R. Brown, Military Advisor) |
| box 99, folder 12 | Invention Disclosure Form and Confidential Disclosure Agreement  
Scope and Contents  
Invention Disclosure Agreement form and Confidential Disclosure Agreement |
Research and Technical Service Agreement with Dr. James R. Burns. 06/1990
Scope and Contents
Institute for Studies in Organizational Automation Research and Technical Service Agreement with Dr. James R. Burns

Non-disclosure Agreement: Reddy, and Prasad
Scope and Contents
Confidential Disclosure Agreements with Rajasekkar Reddy, and Narasima Prasad

Confidential Disclosure Agreement: David McGaughey. 08/28/1992
Scope and Contents
Confidential Disclosure Agreement with David Nelson McGaughey regarding Military Surveillance Images

Invention Disclosure Form-Thin Section. 1989
Scope and Contents
Invention Disclosure Form: I. Description: A: Invention Title: “Derivation of measures of permeability and capillary pressure by image analysis of thin sections made from well chippings.”

Software Index. 02/4/1991
Scope and Contents
Software Indexes for Eight Individuals. All papers begin with: /home/avi/ then first name of individual.

Trade Secret Agreement for “Base Technology”
Scope and Contents
Trade Secret Agreement for “Base Technology”-(Form)

Invention Disclosure Form for Image Compression. 03/1993
Scope and Contents
Invention Disclosure Form for Invention Title: Knowledge Based Hybrid Image Compression and Transmission./

Optical Character Recognition. 03/18/1992
Scope and Contents
Optical Character Recognition Implicit Syntactic Method for Distorted Noisy Images

Part one: Acquisition of Knowledge about Syntactic Representation of Images. 03/1989
Scope and Contents
ISOA Working Paper Number 89-1: Automated Knowledge Acquisition for Visual Inspection Systems; Automatic Grammar Generation; Documentation of the Automatic Grammar Generation from CAD Database for AVI Project

Part two: Acquisition of Knowledge about Syntactic Representation of Images. 03/1989
Scope and Contents
ISOA Working Paper Number 89-1: Automated Knowledge Acquisition for Visual Inspection Systems; Automatic Grammar Generation; Documentation of the Automatic Grammar Generation from CAD Database for AVI Project
Reddy's AVI3 Documentation. 1993
Scope and Contents
Reddy's Documentation

Scope and Contents
Scientific Report on Defect Characterization

Grammar Preprocessor, Parser Table Generator. 12/29/1989
Scope and Contents
Grammar Preprocessor, Parser Table Generator; and Documentation for LL (2) Parse Table Generator

Syntactic Representation, Fuzzy Logic Grammar. 05/1989
Scope and Contents

Knowledge-Base for a Fuzzy Logic Grammar. 01/29/1990
Scope and Contents
Knowledge-Base for a Fuzzy Logic Grammar; AVI Project Knowledge-Based Documentation

Capture and Enhancement of Images for Syntactic Processing. 06/12/1990
Scope and Contents
Techniques For Digital Frequency Analysis and Stochastic Parsing in Automated Visual Inspection ISOA Working Paper Number 89-7

Lexical Analyzer (Syntactic Procedure) for Image Decomposition. 06/12/1990
Scope and Contents
Paper “Symbolic Image Decomposition” and Documentation for Lexical Analyzer (Symbolic Procedure)

Alignment and Misregistration Check
Scope and Contents
Alignment and Misregistration Check Knowledge-Based Image Analysis In Symbolic Space

AVI-Earl T. Farley
Scope and Contents
Work on Project: Automated Visual Inspection of Semiconductor Parts; Learning Pattern Recognition and Response to Non-trained Patterns

Automatic Defect Classification. 12/27/1993
Scope and Contents
Automatic Defect Classification (Special edition for KLA)

Knowledge-Based Image Analysis in Symbolic Space
Scope and Contents
Knowledge Based Image Analysis in Symbolic Space (Master copy)
box 101, folder 4  **Expert Systems**
Scope and Contents

box 101, folder 5  **An Image Parser With Semantic Actions for Error Recovery. Youling Lin and Gyeung-Min Kim. 11/1990**
Scope and Contents
Paper Titled An Image Parser with Semantic Actions for Error Recovery

box 101, folder 6  **AVI using Syntactic Representation of Images. 07/1989**
Scope and Contents
A system for AVI (Syntactic Representation): Defect Characterization and Production Testing

box 101, folder 7  **ADC Documentation**
Scope and Contents
Documentation of Source Code

box 101, folder 8  **Image-Grammar- for Jimmy Havewala. 12/1990**
Scope and Contents
Internal format of grammar for vernier – Jimmy Havewala

box 101, folder 9  **Report on Defect Characterization**
Scope and Contents
Report on Defect Characterization by Rama Katragadda and Jimmy Havewala

Scope and Contents
K.B.S.L.R.L.Documentation Expert System

box 101, folder 11  **Documentation for New Parser**
Scope and Contents
Documentation for LL (1) Parser. Content: Program name, How to run this program, General Functional Description, etc.

Scope and Contents
System Automated Documentation Packer: An Automated File Compressing Utility

box 102, folder 1  **Documentation: Search for Probemark. A. Jimmy Havewala. 1991**
Scope and Contents
Paper: Documentation: Search For Probemark

box 102, folder 2  **K.B.S.R.A. Documentation – Identification of Probemark in big windows. Aspi Jimmy Havewala. 05/16/1991**
Scope and Contents
box 102, folder 3  K.B.S.R.L. Documentation: Vernier Marks. Aspi Jimmy Havewala
  Scope and Contents
  K.S.R.L. Documentation: Vernier Marks

box 102, folder 4  K.B.S.R.L. Documentation: Critical Distance. 12/1990
  Scope and Contents
  K.B.S.R.L. Documentation: Critical Distance by Dr. Ali. It had a bug in it Aspi Jimmy
  Havewala reports the program has been debugged and some minor optimizations made
  to make the program faster;

  Scope and Contents
  Grammar for Parser Error Recovery

box 102, folder 6  Technology Transfer Receipt
  Scope and Contents
  Technology Transfer Receipt – (Form)

box 102, folder 7  Automatic Defect Classification User Manual
  Scope and Contents
  User manual

box 102, folder 8  ADC Documentation-Bill Gwinn. William H. Gwinn. 12/22/1993
  Scope and Contents
  Automatic Defect Classification (ADC): the Initial Process Model

box 102, folder 9  Image Parser for Defect Identification. YouLing Lin, Ph.D. and Kathleen Hennessy,
  Ph.D. 07/9/1991
  Scope and Contents
  Image Parser for Defect Identification

box 102, folder 10  Image Primitive and a Sample of Image Grammar for Automated Visual Inspection.
  Kwang-Soo Hahn and Kathleen Hennessy. 02/13/1989
  Scope and Contents
  Paper on Image Primitive and a Sample of Image Grammar for automated Visual
  Inspection

box 102, folder 11  KIDS: A Data Structure for Syntactic Representation. 03/1989
  Scope and Contents
  KIDS: a Data Structure for Context-Free Syntactic Representation of Visual Knowledge

box 102, folder 12  Application of AVI. 12/14/1990
  Scope and Contents
  Application of Automated Visual Inspection at Microelectronic and Computer Corporation

box 102, folder 13  Inference Engine for Knowledge-Based Defect Characterization. 09/9/1991
  Scope and Contents
  Inference Engine for Knowledge-Based Defect Characterization

box 102, folder 14  An Image Grammar for Detection of Interlayer. Apsi Havewala and Kathleen
  Hennessy. 03/18/1992
  Scope and Contents
  An Image Grammar for Detection of Interlayer – Misalignment using Venier Marks
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<td>box 102, folder 15</td>
<td>Documentation For Calibration . C. Scott Unrein</td>
<td>01/31/1990</td>
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<td>box 102, folder 16</td>
<td>Low-Level Image Processing for AVI. E. Moon &amp; K. Hennessey</td>
<td>05/1989</td>
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<td>box 102, folder 17</td>
<td>Design of Image Parser. Kwang-Soo Hahn, PhD. And Kathleen Hennessey</td>
<td>05/1989</td>
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<td>box 102, folder 18</td>
<td>Symbolic Image Decomposition</td>
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<td>box 102, folder 19</td>
<td>Reprocessing and Parse Table Generation of a CAD-Based Image Grammar</td>
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<td>Techniques for Digital Frequency Analysis and Stochastic Parsing in Automated Visual Inspection</td>
<td>05/1999</td>
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<td>box 102, folder 21</td>
<td>Syntactic Techniques for Identification of n Undefined Non-liner (probemark) within a Defined Linear Object (bondpad).</td>
<td>Aspi Havewala and Kathleen Hennessy</td>
<td>12/1990</td>
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<td>box 102, folder 22</td>
<td>Inference Engine for AVI and Navy knowledge bases. Dr. A.K.Hennessey and Rama Katragadda.</td>
<td>08/1991</td>
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<td>box 102, folder 23</td>
<td>Information System Design for All Kids Count</td>
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<td>box 102, folder 24</td>
<td>Algorithm for Calculation of Critical Distance Between a non-linear Object and a polygon</td>
<td>12/1990</td>
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Scope and Contents
Simulation Techniques provide the initial Knowledge base for an artificial intelligence scheduling system.

box 102, folder 26  Technical Reports. 08/31/1992
Scope and Contents
Technical Reports: a listing of 26 reports done

box 102, folder 27  TI Meeting. 06/1994
Scope and Contents
Automated Visual Repair Workshop/Planning/Status Meeting - Agenda

box 102, folder 28  TIA Manual. 1995
Scope and Contents
Radiant Tin TIA User Manual

box 103, folder 1  KLA Instruments; Software Upgrade. 02/1994
Scope and Contents
Quick instructions for WATCOM version of the ADC

box 103, folder 2  Automated Object/Defect ID
Scope and Contents
Confidential File: Automated Object/Defect Identification

box 103, folder 3  Draft Subcontract - David Sarnoff. 1991
Scope and Contents
Research Contract Number F000000; Security Classification Unclassified

box 103, folder 4  Navy Contract Regulations. 05/1992
Scope and Contents
Contractor Regulations, Proposed budget, Correspondence

box 103, folder 5  RLCR Workshop Booklet Master. 8/3-5/94
Scope and Contents
Booklet Master for workshop

box 103, folder 6  KLA Wafer Inspection Technical Overview
Scope and Contents
CONFIDENTIAL file: Components of Proposed Automated Defect Classification and Random Logic Circuit Repair System

box 103, folder 7  TI/KLA/TTU - Workshop. 10/27-10/29/93
Scope and Contents
Agenda ADC/RLCR Program/workshop planning meeting

box 103, folder 8  TI/ADC/RLCR Workshop. 3/9-3/11/94
Scope and Contents
Automated Visual Circuit Repair Workshop/Planning/Status Meeting
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Scope and Contents  
Knowledge Based Systems Research Laboratory Random Logic Circuit Repair – Project Task list |
| 103 | 10     | Radiant Tin Team - Review Minutes. 4/1993  
Scope and Contents  
4/28/93 radiant tin Program Review Minutes, including Action Item Log, Radiant Tin Phone Book |
Scope and Contents  
Miscellaneous Correspondence - FAX copies – Notes and E-mail all pertaining to Radiant Tin |
| 103 | 12     | Dr. Nicholas Beser  
Scope and Contents  
Resume for Dr. Nicholas David Beser |
Scope and Contents  
How To Use Taguchi Methods To Solve And Prevent Quality Problems – Flyer for workshop |
| 103 | 14     | Freedman - Handbook of Walkthroughs  
Scope and Contents  
Handbook of Walkthroughs, Inspections, and Technical Reviews Parts C - E |
| 103 | 15     | A. Hennessy Vitae. 1/21/92, 1984  
Scope and Contents  
Vitae for A. Hennessy, updated 1/21/92; also 1984; Curriculum Vitae, also updated 1/21/92 |
| 104 | 1      | Official Study Guide – Computer Professionals. 1993  
Scope and Contents  
| 104 | 2      | ISEE -TTU Annual Meeting, 1993  
Scope and Contents  
Program/Agenda for the ISEE 1993 Annual Meeting, “New Approaches to Knowledge” 6/4-5/93 |
| 104 | 3      | Systems Research 1993  
Scope and Contents  
Project Expenditure Authorization Travel Requests, Purchase Requisitions, etc. |
| 104 | 4      | Animal Science Software  
Scope and Contents  
Animal Science Software disc.; Accounting Program Screen Description |
| 104 | 5      | Ted Heard - Animal Science. 03/10/1993  
Scope and Contents  
Ted Heard’s class schedule. Also Memorandum regarding fee for the redevelopment of database package for Animal Science from L.M. Schake |
box 104, folder 6  **All Kids Count - Immunization Database. 1993**  
Scope and Contents  
Immunization Database: Periodical Report, Generate Recall List, Backup Records, Data Interchange are listed on the Systems Menu Proposed Immunization Record System for All Kids Count

box 104, folder 7  **Materials Development Research and Informal Science Ed. 1992**  
Scope and Contents  
Knowledge-Based Multimedia Delivery System, Objective: An easy-to-use multimedia delivery system --- for instruction purposes

box 104, folder 8  **Using the JPEG Library. Thomas G. Lane. 1994-1996**  
Scope and Contents  
Using the JPEG Library describes how to use the JPEG library within an application program

box 104, folder 9  **Merit Review. 1992-1993**  
Scope and Contents  
Commendations/Congratulations to Dr. Hennessy. Also correspondence on “buyout” of teaching time

Scope and Contents  
Article from IEEE Transactions on Software Engineering, describes an LR-based Parser generator

Scope and Contents  
An Independent Survey - A technical discussion of how this client-server architecture is implemented in

box 105, folder 1  **Myths and Legends in Learning Classification Rules. 1990**  
Scope and Contents  
This paper is a discussion of machine learning theory on empirically learning classification rules

box 105, folder 2  **ADC Bibliography. 1998**  
Scope and Contents  
References

box 105, folder 3  **AAAI Articles. Marc K. Albert, and David W. Aha. 1988-90-91**  
Scope and Contents  
Articles all pertaining to AAAI: Proceedings of Ninth National Conference AAAI – 91: Analyses of Instance-based Learning Algorithms; Combining Symbolic Learning Techniques and Statistical

box 105, folder 4  **How To Represent the Knowledge for Images**  
Scope and Contents  
Analyzing Vector Representations of Images

box 105, folder 5  **IEEE Expert. 1990**  
Scope and Contents  
AI and Expert System Myths, Legends, and Facts;
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<td>105, 6</td>
<td><strong>Learning structures of visual patterns. 1991</strong></td>
<td>1991</td>
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<td>Scope and Contents</td>
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<td>105, 7</td>
<td><strong>Conceptual Distance. Yves Kodratoff Gheorghe Tecuci. 1988</strong></td>
<td>1988</td>
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<td>“Very different examples generalize to an expression that is very far from each of them, while identical examples generalize to themselves....”</td>
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<td><strong>First Specialize – then Generalize. 1992</strong></td>
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<td>Performance of existing learning systems is strongly biased by the vocabulary provided in the problem description language.</td>
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<td>105, 10</td>
<td><strong>Adding Domain. 1991</strong></td>
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<td>Current explanation-based generalization techniques can perform badly when the problem being solved involves recursion.</td>
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<td>105, 14</td>
<td><strong>Extending EBG to Term-Rewriting Systems. 1990</strong></td>
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<td>The familiar Explanation-based generalization (EBG) is applicable to large families of programming languages.</td>
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<td>When EBL is used for KLL, training examples are essential, and EBL is not simply reducible to partial evaluation</td>
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<td>Paper describes the learning part of a system which has been developed to provide expert systems capability augmented with learning.</td>
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box 129, folder 7  TACO2 Systems Integration Guide
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box 129, folder 10  NITFS Compression Software Release 2.0
"Analysis Design and Implementation of a Microcomputer Transaction Processing System for a Small Trader" by Maria Lopes

"Development of Systems Investigation and Analysis Methods for Use in Determining System Boundaries for Commercial Data Processing" by Fawzi Aziz Ahmad

"Specification and Design of an On-Line Facilities Booking System for IBM (UK) Ltd (Sale)" by David Christopher Drane

"Design and Development of a Frame-Handler System for Computer-Based Training Facilities on a Microcomputer" by J.R. Edgar

M.Sc. Dissertation by K.S. Birkhead


"Investigation of a Fuzzy Grammar for Automated Visual Inspection" by Kwang-Soo Hahn

"Distributed Immunization Database Records for Pediatric Clinics in Lubbock" by Lilis Pramasurja

"Linking a Network Data Base to a Forms Handler Using COBOL, an Hierarchical Language" by Elaine Bonham

"Graded Structure of Defect Categories in Automated Defect Classification" by Wan Sang Wong

"Use of the Systems Approach to Develop Data Processing Oriented Computing Facilities for Secondary Schools" by Audrey Kathleen Hennessey

Defect Management Workshop Mar. 1994

The Application of an Artificial Intelligence-Based Scheduling Method in Series of FMS Cell

"Techniques for Syntactic Analysis of Images with Application for Automatic Visual Inspection" by Youling Lin

Knowledge-Based Image Analysis in Symbolic Space

Program Flowcharting Standards

Early Internet

ACM Membership

SPIE Miller Et Al ADI Paper 2002

Women's History Month 2002

Rumbaugh CHP 3

Rumbaugh CHP 4

Phi Beta Delta Conference Apr. 1989

ISO Preliminary Meetings

Prep AI

Standard SEI

SEI REQ

An Analysis of the PROMIS+PREP System for Automated Contract Preparation

Rule-Based Procurement Document Generation System

Xerox Parser LEX-Analysis

SEI Miscellaneous

SEI Prep

SEI Fortrix Prep

Sponsors SEI

IBM 519 Document Originating Machine

IBM Systems Reference Library

Colloquy on Advanced Concepts in Data Processing Investigations and Prosecutions

Methodologies

PROMIS+REQ

SEI Project

Kathleen Harris

PROMIS+REQ Documentation

SEI Progress

AI + PREP

Advanced Technology Solicitation Document Preparation

SEI Termination Offer
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A Circuit Design Package Linked to Spice for EE Students

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Scope and Contents

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box 202, folder 9  Inheritance Variances PH Randolph
box 202, folder 10 Symbolic Image Decomposition, Lin & Randolph
box 202, folder 11 Kids: A Data Structure for Context-Free Syntactic Representation of Visually-Based Knowledge 1989
box 202, folder 12 Low-Level Image Processing for Automated Visual Inspection, Moon 1989
box 202, folder 13 Parser Documentation for the AVI Project, Wadhaway & Mahendra
box 202, folder 14 Conceptual Database Design for MCC, Wong & Hennessey 1990
box 202, folder 15 Design of Image Parser, Hahn 1989
box 202, folder 16 An Image Parser with Semantic Actions for Error Recovery, Lin & Kim
box 202, folder 17 Image Primitive and A Sample Image Grammar for Automated Visual Inspection, Hahn 1989
box 202, folder 18 Working Paper - AVI - SR Project
box 203, folder 1 Automated Knowledge Acquisition for Visual Inspection Systems, Masten Catanich Hennesey and Hahn 1989
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box 203, folder 3 Expert System in Error Recovery of Syntactic Pattern Recognition, Lin & Hennessey
box 203, folder 4 Texas Advanced Technology Program AVI
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box 203, folder 8 ISOA - AVI - SR(2) Project Overview
box 203, folder 9 Setting Thresholds for Identification of Objects for Automated Visual Inspection, Randolph and Lin 1989
box 203, folder 10 Automated Visual Inspection Using Syntactic Representation of Images, Hennesey & group
box 203, folder 12 Segal & Lin, Risk Assessment of Hazardous and Radioactive Material Transportation
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box 203, folder 21 Radiant Tin - Module of C 1996
box 203, folder 22 APL- Tencap - TTU Meeting 1996-10-08
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box 203, folder 24 Hennessey & Lin, Knowledge-Based Image Analysis Progress Reports May 1996
box 203, folder 27 Radiant Tin II
box 204, folder 1 RTIN Misc. Correspondence with ORS 1996
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**Misc. Documents**

**Scope and Contents**

- Current Accounts Memo from Rhoades to Tomlinson, New Accounts, June 15, 11987
- Spreadsheet ISOA Account Summaries Texas Instruments check stub no 732631 for $7,360.00 dated 8/12/83
- TI Purchase Order 9950982 dated 6/21/83
- Technical Service Agreement Steven Bell Certified mail receipt – Unsolicited Invoices
- Knowledge-Based Systems Research Laboratory Facilities Memo from Hennessey to P Westfall Re SAS Software Project 8/18/87
- Minutes of Initial Mtg of Advisory Panel ISOA February 27, 1987
- Memo from M Richards to R Bravoco Re Knowledge Based Systems Laboratory ICIR Brochure 1996 Memo from AKH to B Sweary Re Intellectual Property Developed by ISOA Memo from AKH to W Hunn Addenda to the license agreement 2/3/95
- Sematech Development Agreement No 34014230

**Box 218, Folder 3**

**Items Reimbursed**

- Booklet - Government Auditing Standards, 1994 Revision
- TTU-ICIR Correspondence
- TTU-ICIR Buy/Sell Agreement
- Jim Brunjes Memo
- ICIR Opening Press Release
- TTU - Dr. Hennessey Personnel
- Infomatics Account Correspondence 1998
- Dr. Hennessey's Correspondence

**Box 218, Folder 12**

**Misc. Documents**

**Scope and Contents**

- Memo from N. Beser, Florence, Geckle re Radiant Tin Status Progress Report
- Knowledge-Based Image Analysis 11/22/94 Meeting August 4, 1999 TTU and ISOA, Inc.
- Audit Completing a CD-ROM License Request Form Memo from K Hennessey to B Rhoades Temp use of TTU Equipment at Memo from F Grogan to D Schmidly Audit of Int'l Center for Informatics Fax from Dr. Hennessey to Dr. J Burns Re Dallas 100 Award Ceremony Ltr Thank you to T Demerjian from AKH 9/16/99
- TTU Conduct of TTU Employees, IP Rights A Process for determining the Business Value of Information Technology Memo from AKH to G Manahan I-9 expiration for ICIR's Staff 4/15/99 Grand Opening ICIR 3/20/1996 SME Newsletter Dallas 100 Registration Form Royalty Payment 1486 $27,750.00
- Email from Alan Sill to AKH Possible Application of visual inspection Analytical and Diagnostic Techniques for Semiconductor Materials, A TTU high-tech start-up Part I from lab to fab Dossier for Promotion Dr. AKH 10/6/93

**Box 218, Folder 13**

**TTU Audit 1999**

- TTU Departmental Fixed Asset Listing as of 2/5/99
- Completed Inventory Forms 1996
- Inventory Binder 1997-1999
- TTU Travel Applications 2000
- Nora Richardson
- Xueying Lao
- Requisitions RLCR (TI) 1453-44-9438 Sep. 1994
- Requisitions RLCR (TI) 1453-44-9438 Aug. 1994
- Personnel Action Form Binder
- Data Communication Transparencies
- Lab Schedules 1994
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box 230, folder 7 Risk Assessment Of Haz. Mat. Transportation Proposal
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box 231, folder 11 NSF Forms 1992
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box 231, folder 14 ISOA Scholarships Sep. 1992
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box 231, folder 16 Jia You - LaTroube University 1993-02-12
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box 232, folder 2 DPMA - Business Meeting 1994-10-30
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**Books and journals**

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“Concurrent Programming using the Turing Plus Language” by R.C. Holt and D.A. Penny, 1988
“Computer Education Survey of Colleges and Departments of Education in England”, 1972
“Third ACM-SIGOIS Conference on Office Information Systems”, Oct. 6-8, 1986
“Proceedings of the ISMM International Symposium ‘Software and Hardware Applications of Microcomputers’, Feb. 4-6, 1987
“Department of Defense Password Management Guideline”, 1985
“Tutorial on Software System Design: Description and Analysis” by William E. Riddle and Jack C. Wileden, 1980
“IEEE First International Conference on Neural Networks”, June 21-24, 1987
“Proceedings of the ISMM International Symposium ‘Mini and Microcomputers and their Applications’”, Nov. 10-12, 1986
“Computers in Education” by O. Lecarme and R. Lewis “Education in Great Britain and Ireland”, edited by Robert Bell, Gerald Fowler, and Ken Little
“Guide de etudes et de la recherché en informatique”, 1974
“Understanding Modern Business Data Processing” by Beryl Robichaud
“The Computer Applications Project Teacher’s Guide” by Kathleen Hennessey and Paul Murphy
Scope and Contents


Laboratory notebooks

"Designing the User Interface" by Ben Shneiderman
"Theoretical Analysis of Information Systems", Langefors 1973
Infotech 1992 Conference Materials
"Sensor Review" 2008
"Automated Analysis of Rock Cores" 1996
"System Study Report for Manchester Evening News", Ahmad & Hennessey
Microcomputer Course, Ciba-Geigy 1981
"Information in Business and Administrative Systems", Stamper 1973
Contact - Lu Chang
ISOA EBR document search 1989
Lubbock County Computer System
 Advisory Task Force, City of Lubbock 1992
Printed Circuit Board Inspection Patent
Securiscan - Base Technology: Zero Crossing
KEL - Allied Insurance Policy
KEL - IT
Network Solutions, KEL - IT
KEL - Travel
Yang - ECT Project

Misc. Patent Documents
Crutsinger and Booth
Crutsinger and Booth - Securistep
Gerald Crutsinger, Patent Attorney
Blank Confidential Disclosure Agreement
Crutsinger & Booth - Securiview
Patent #6,864,971
"Composites: Computer-Generated Portraits" by Nancy Burson 1986
Series 2. Intellectual Property and Administration

Guide to the Kathleen Hennessey Papers M2261

Series 2. Intellectual Property and Administration

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<td>&quot;Process and Materials Characterization and Diagnostics in IC Manufacturing&quot; by Kenneth W. Tobin, Jr. 2003</td>
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<td>&quot;Punched-Card Data Processing&quot; by Harry W. Cadow 1973</td>
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<td>&quot;Programming the IBM Personal Computer&quot; by Neil Graham 1983</td>
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Series 3. Memorabilia

Scope and Contents

This series contains memorabilia, including historical computer-related items such as plugboards, punchcards, silicon wafers, circuit boards, manuals for early computers, an acoustic coupler modem, and other pieces of computer history.

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Series 4. Restricted Materials - CLOSED UNTIL 2050

Scope and Contents

This series comprises restricted materials and is closed until 2050. Reasons for restriction include legal sensitivity, confidential employee information, and confidential student information.

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Box 112, Folder 1: ICIS Call for Papers Dec. 1993
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Box 112, Folder 7: Data Representation COBAL
Box 112, Folder 8: Font Compaction: Rama Katragadda
Box 112, Folder 9: Introduction to X: Rama Katragadda
Box 112, Folder 10: Dr. Burns Memos 1991
Box 112, Folder 11: Distributed Computing 1980
Box 112, Folder 12: Computerized Manufacturing Systems
Box 112, Folder 13: Information Systems Research Program - Kathleen Hennessey, Ph.D.
Box 112, Folder 14: Wei Shih Dissertation Aug. 1987
Box 112, Folder 15: Next Day Air Communication Network 1991
Box 247: RTEC AEA Discovery materials - Rudolph Acquisition of ISOA
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Box 251: STI Legal - Letters, faxes, and emails
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