ADABAS NEWSLETTER
the Adaptable DAta BAse System

THE VIEW FROM 30,000 FEET

By John Maguire
software ag

Recently, we were pleased to participate in the annual meeting of GMIS (Government Management Information Systems) held in San Antonio, Texas. This organization is made up largely of data processing executives and technical personnel responsible for using computers in the functions of Federal, State, County and City governments.

We had just completed an ADABAS Paid Demonstration for the City of San Antonio so our appearance was apparently appreciated by everyone except the local IBM representative, who naturally was pushing for IMS.

Through the courtesy of Dr. Barry Cushing, I had the pleasure of meeting with Dr. George Kozmetsky, Dean of the Graduate School of Business of the University of Texas (Austin), noted innovator in the use of computers in many leading organizations including Litton. Dr. Kozmetsky sits on the Board of Directors of a number of high-technology companies such as AMDAHL, and he was quite interested in data base management software, in general, and ADABAS in particular. I also gave an ADABAS presentation to a graduate class there. Representatives of IBM and MRI were in attendance also.

New Orleans is an interesting city to visit any time of the year, with or without the Mardi Gras. Members of the American Gas Association—Information System group were having their 23rd annual meeting there recently and ADABAS was on the agenda—timely, as "everyone" seems to be on the verge of going to a DBMS.

LAST CALL FOR THE USERS CONFERENCE

Time is running out!

Have you sent in your registration form?

Have you sent in your hotel reservation card? If not, and you plan to attend the Third International ADABAS Users Conference in San Francisco, you better call **software ag** *right away!*

The Conference is being held at the Hyatt on Union Square (415) 398-1234 and will begin with registration and a reception on Tuesday evening, May 18. The Conference will conclude by 5:00 p.m. on Friday, May 21.

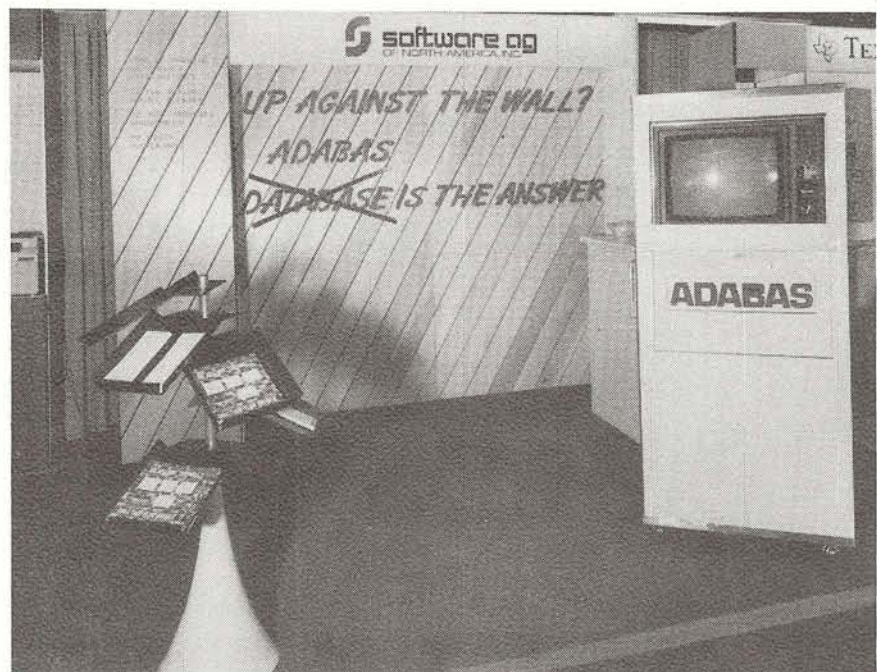Some details about the ADABAS Users Conference are on pages 3 and 4.

NEW ADABAS USERS

Thanks to the efforts of **software ag** and other ADABAS distributors around the world, our Users Group continues to grow. We would like to welcome the following new ADABAS users:
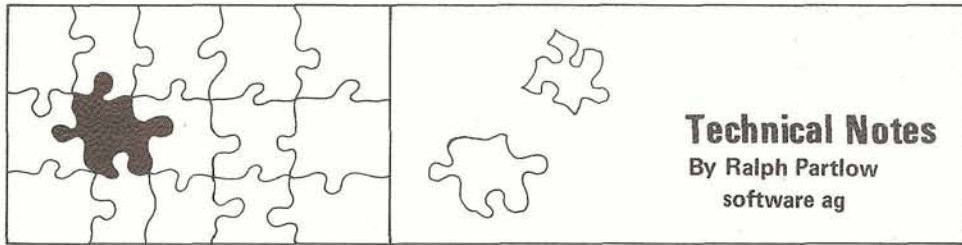
Honolulu Federal Savings and Loan Association
P.O. Box 539
Honolulu, Hawaii 96809

Honolulu Federal's data processing center supports four other Savings and Loan Associations in Hawaii and is hooked up in a network with two other machines supporting a total of ten Associations. The system includes automatic teller units and POS terminals in local supermarkets and discount stores. They are beginning development of an

"**software ag** is an EXHIBITionist on the Computer Caravan"

software ag has been getting, on the average, two or three requests per month for consulting services. In the past we have not been able to respond beyond providing normal technical support. The Technical Staff is quite busy doing installations, demos, and customer support. Thus, software ag has decided to start a consulting service for users and we have taken the first step by hiring an experienced data processing consultant. After about three months of training in ADABAS he will be available for assignment at customer locations. This capability will be expanded according to future demand. Please call me if you have a need for such consulting services.

Other projects have been progressing nicely. An update on the status of some areas follows:

MVS
The new SVC, announced in a recent memo to all users, replaces our current MVS interface and goes into final testing this week. It should be available for general distribution in three to six weeks. The original interface required that all programs using ADABAS be in the "AUTHORIZED" library—the new SVC eliminates that requirement. This new facility will be made available prior to general distribution as needed on a test basis.

3.2.1
Preliminary testing has begun on ADABAS version 3.2.1. The actual release date is yet to be determined but the plan calls for release to occur in three to six months. Beta test sites will be carefully selected, the system will not be distributed at random.

ADAMINT
Version 1.1 (the second release of ADAMINT) is now available. This latest version includes the following enhancements:

- Ability to interface with either ADABAS version 3.1.4 or 3.2.0

- More extensive Response Code analysis, with Response Code text for both ADABAS versions.

- Implementation of security (Password)

- "Multiple Module" generation techniques

- Improved syntax analysis and error messages

- Ability to generate modules for use in OS and DOS environments

- A MARK IV interface module capability

- Removal of all internal FORTRAN programs

- Improved documentation on ADA-MINT listings

- More thorough examples of ADA-MINT modules and application programs using ADAMINT

- An improved ADAMINT System Tape, with a better Installation, Operation and Maintenance Guide

- A "one-entry-point" module generation capability

The above developments represent a good deal of effort and time on the part of the Technical Staff. We hope that our efforts have been helping in all technical areas. If we have not, please let us know.

THE MULTIPLE PHONETIC

by Ted Hillis
The Consumers' Gas Company

During the process of implementing a Customer Inquiry System using ADABAS with CICS/VS on 3270's it became desirable to provide a name/street/city (or combination thereof) inquiry capability. It was also deemed appropriate to be able to answer a customer query on a non-numeric basis, thus aiding relationships with the public. Since Metropolitan Toronto is very cosmopolitan it was also desirable to

allow for possible misspellings of these access values.

We were also faced with the problem of these three data fields containing unpositioned and extraneous data as well as numerics. After a period of thought and experimentation it was decided to parse the existing fields at each blank and create them as a multiple value field to resolve the problem of data (value) positioning. This permits a desired value to be located regardless of its position within the original field, and also permits retrieving the original structure (length 0 in format buffer for each occurrence, then eliminate the length bytes). To provide for the "spelling error forgiveness" these fields were then phoneticized (3.2 is better than 3.1.4 because of descriptor overhead).

We have limited the multiple hits to one screen and when an overflow occurs we request further detail (house number, etc.), but with 300K plus customers currently up, this problem occurs extremely infrequently. It is also intended, in the future, to utilize histograms to provide input for a generalized utility program to houseclean the fields.

FROM 30,000 FEET *continued . . .*

Our technical people are busy as always, and our marketing people are participating in the Computer Caravan and the NCC. We started in Boston, Massachusetts on March 2 and finish up in New York City June 10th. We expect to see 75,000 people in the ten cities. In addition, we have a one day seminar for the most interested prospects two weeks after we visit each city. Many of our users have kindly agreed to attend the afternoon "panel" sessions of these seminars. Thank you very much.

Aside from leads and prospects generated through this activity, we received over eleven hundred (1100) inquiries in Reston in the past six weeks. This, I think, is a clear indication that our current users have led the way into data base and now the rest of the computing world is about to follow suit.

ADABAS USERS CONFERENCE

PROGRAM

Tuesday, May 18
1:30 p.m.	Executive Committee Meeting
6:00-9:00 p.m.	Registration and Reception

Wednesday, May 19

8:00-8:45 a.m.	Speakers Breakfast
8:30-9:00 a.m.	Registration and Continental Breakfast
9:00-10:30 a.m.	Session 1—Introduction
11:00-12:30 a.m.	Session 2—Future ADABAS Enhancements
2:00-3:30 p.m.	Session 3A—How to Administer Your Data Base
	— The Data Base Administrator
	— Using ADAMINT
	Session 3B—ADABAS Education
	—Programmer's Introduction to ADABAS
4:00-5:30 p.m.	Session 4—User Enhancement Requests
5:30-6:30 p.m.	Special Interest Groups
6:30 p.m.	Reception and Banquet

Thursday, May 20

9:00-10:30 a.m.	Session 5A—Data Dictionary/Directory Systems
	— DATAMANAGER
	— DATA CATALOGUE
	Session 5B—Systems Interfaces
11:00-12:30 a.m.	Session 6A—Report Writers (Panel)
	Session 6B—File Design
	Session 6C—System Tuning (Panel
2:00-3:30 p.m.	Session 7A—Applications Experiences
	Session 7B—Special Interest Group (DOS Users)
4:00-5:30 p.m.	Session 8—Review of User Enhancement Requests (three parallel groups: End Users, Applications, Systems)
5:30-6:30 p.m.	Special Interest Groups
6:00-8:00 p.m.	California Wine Party

Friday, May 21

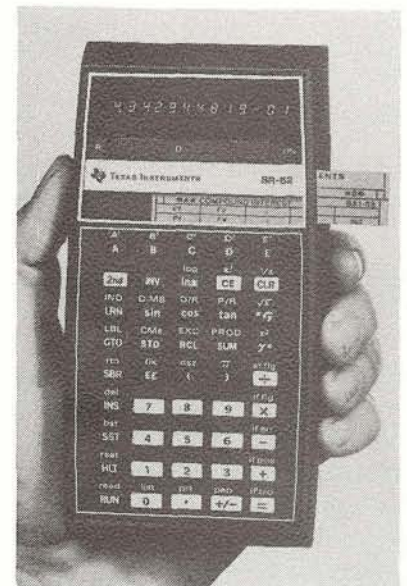|	
9:00-10:30 a.m.	Session 9—Is Your Data Base Safe?
	— Security
	— Protection
11:00-12:30 a.m.	Session 10—Users Group Business
2:00-5:00 p.m.	Special Interest Groups
2:00 p.m.	Amdahl Tour—Group 1 (returns via airport before 5:00 p.m.)
3:00 p.m.	Amdahl Tour—Group 2

WIN A CALCULATOR

Two *lucky* ADABAS Users will leave this year's Users Conference with a Texas Instruments SR-52 programmable calculator!

One calculator will be awarded to the User who gives the best presentation during the conference. This will be determined by a hand written ballot cast by each User.

The recipient of the other calculator will be determined by a drawing from the ballots cast. So every User has at least one chance to win.

Maybe next year you will want to be a speaker and have two chances.

Texas Instruments SR-52
programmable slide-rule calculator

- True algebraic entry—up to 9 levels of parentheses allows problems to be entered the same way they are normally written

- Permanent program storage on magnetic cards—built-in magnetic card unit stores up to 224 program steps on a single card

- Features bright, 14-character display —10 digit mantissa, 2-digit exponent, 2 signs

- Fully portable—operates on fast rechargeable battery pack or AC adapter/charger

- P.S. Sorry. ADABAS won't fit on an SR-52.

SAN FRANCISCO

What's, Where's and Wear's

Built on hills, between the mountains and the sea, San Francisco is a remarkably picturesque and sophisticated town noted for its well-dressed people.

San Francisco International Airport is 13 miles southeast of the city. Travel time is 30-45 minutes by taxi or limosine.

The Hyatt on Union Square (where our Third International Users Conference will be held) is one of the leading hotels.

WHAT TO WEAR

Informal sport clothes are not worn in the city, and it is seldom hot enough in San Francisco for very lightweight clothes. For damp coastal fogs, night and morning, have an all-weather topcoat or raincoat during winter months. Most evenings, all year round, a light coat will be appreciated but warm clothes are seldom needed; however, fashionable women wear furs just the same.

3

FOOD

A gourmet's paradise of seafood restaurants is located on the docks of Fisherman's Wharf, port of San Francisco's fishing fleet. Ghiradelli Square, nearby, is a sprawling plaza of restaurants and bazaars built within the framework of a 19th-century chocolate factory overlooking the bay. Try the local shrimp, Dungeness crabs, California rex sole, abalone, sand dabs and clams; *cioppino,* a great local favorite, is a cross between a soup and a stew, made with several kinds of seafood.

WHAT TO SEE

Wandering about San Francisco can be fascinating. Because the city is compact it is easy to walk between major points of interest. **Chinatown** is next to the shopping district; the financial district and **Nob Hill** are near both; **North Beach** is just above **Fisherman's Wharf,** with seafood restaurants, markets and shops, and actually begins across the street from Chinatown, the largest Chinese community outside Asia. **Jackson Square,** a handsome collection of pre-earthquake buildings refurbished as wholesale decorator shops, is a delightful five-square-block walk.

Parks and zoos include the **Golden Gate Park** with over 1,000 acres of recreational facilities, a conservatory, planetarium, the **Steinhart Aquarium, De Young Museum, Japanese Tea Garden** and **Stow Lake. Lincoln Park** has fine views of San Francisco Bay and the ocean; also a golf course.

UK USERS MEET REGULARLY

The following excerpts are from the March 2, 1976 meeting of the ADABAS UK Users. ed.

In opening the UK User Group Meeting, F. A. Mayall welcomed the representatives from Adabas, Ltd., British Rail and Barclays Bank, and explained some of the functions as the UK Representative. Having distributed copies of the Adabas Newsletter, F. A. Mayall appealed for contributions to future newsletters.

ADABAS Version 3.2 Experience Report

F. A. Mayall distributed copies of the Organics DBA note 76/2 and went on to say that approximately 50 fixes had been applied to 3.2 and that approximately 4 faults had been discovered during testing. The main problem, he continued, was that the documentation was not in synchrony with the released software, quoting the 'Add field' and 'Recorder Associator' facilities as examples.

Apparently some of the problems experienced were not connected with the enhancement, for example, when extending Data Storage via ADAVUS, the Storage Control Table indicated that the extension resided on a 2314. Consequently, when loading, an OC1 was obtained and therefore the implication is that a 3.2 database cannot be extended without re-loading!

M. G. Mitchell then stated that upward compatibility may not have been maintained, in the light of problems experienced with the Internal Format Buffer. He continued by stating that an existing batch job took 25% more CPU on 3.2.0 than under 3.1.4. In reply, M. Hollis stated that a blank CID implies to 3.2.0 that the format buffer has to be interpreted each time, the interpretation takes longer under 3.2.0 than 3.1.4.

Matters to be raised at the International User Group Conference

The representatives of the UK users were invited to submit requests, on the official form, to either F. A. Mayall or D. M. Crabtree in order that they could be passed to P. Webster, Chairman of the International User Group.

The following changes/enhancements were agreed at the meeting:—

1. Mass delete facility.
2. Improvements to Search Algorithm
3. Improved diagnostics emanating from utilities.
4. Transaction codes in the MPM log.

integrated data base to include savings and mortgage files (750,000 records). ADABAS is installed on their 370/145 under DOS/VS with CICS. Scott Watanabe, (808) 564-5027, is the DBA.

Department of Supply and Services
Personnel Application Centre
66 Slater
Ottawa, Ontario
CANADA

The Personnel Application Centre is developing a government-wide personnel management information system. The system will support on-line retrieval of job characteristics and employee information. The new version of ADASCRIPT (ADABAS Newsletter, January 1976) was developed with their assistance and is being used by both French and English speaking users. ADABAS file and field security is used along with a modification to ADASCRIPT which restricts inquiries to the department of the user thus providing security at the record level. ADABAS is installed on their 370/158 under VS2 with CICS. Leighton Long, (613)996-6331, is the Acting Director of the Personnel Application Centre.

Dow Chemical Europe
Zurich, Switzerland

Dow Chemical Europe is an international manufacturer and marketer of chemical products. ADABAS will be used for an on-line code maintenance system on their 370/145 under OS with TASK/MASTER. The DBA is Mr. Phil Morrison.

Toyoda Automatic Loom Works, Ltd.
Toyoda-Cho, Kariya-Shi, Aichi 448
Japan

ADABAS is installed on their 370/158II under VS1 with CICS. Mr. To Toshiya Kosuge is the Manager of Planning Section of the Data Processing Division.

FORMAT BUFFER POOL—3.2.0

by Peter C. Webster
E. I. DuPont Company

I had a problem with the Format Buffer Pool size under 3.2.0. Initially I settled for the Default Options in the Nucleus. According to the Documentation, that gave me 235 – 18 Byte Elements for the Format Pool (See Section 4.3 System Constants). However, all jobs run with over 112 fields specified in the Format Buffer caused a response code 45. The solution is to increase the size of the Format Pool. The problem is how to do this easily, as it is not spelled out in the Documentation. So, I thought I would share my technique with you.

First I decided to increase the Format Buffer Pool 6K. Why 6K? I allow 10K Safety Valve on my Region Parameters as a rule. 10K would use all of my safety space. 6K sounded like a good number.

```
Step 1:    Rename ADANUC in my PDS to SAVNUC
           //Rename EXEC PGM=IEHPROGM
Step 2:    Execute DLINKØ to expand ADAEMO
           (The DELINKØ Utility is documented in the IBM
           Field Engineering Handbook S299-3169-3.)
           //DELINKØ   EXEC   PGM=DELINKØ
           //SYSPRINT  DD     SYSOUT=A
           //SYSLIB    DD     DSN=ADABAS.V32Ø.LOAD,DISP=SHR
           //SYSPUNCH  DD     DSN=&&W,DISP=(MOD,PASS),
           //                 UNIT=WHD,SPACE=(8Ø,(2ØØØ,9Ø)
           //SYSIN     DD     *
              SAVNUC ADAEMO X'0103C8'
           /*
```

*X'0103C8' is the size of ADAEMO (HEX ERC8) plus 6K (HEX 1800)

```
Step 3:    RELINK
           //LINK      EXEC   PGM=IEWL, PARM='LIST,LET,XREF'
           //SYSPRINT  DD     SYSOUT=A
           //SYSLIB    DD     DSN=SYS1.SYSLIB,DISP=SHR
           //SYSLMOD   DD     DSN=ADABAS.V32Ø.LOAD,DISP=SHR
           //SYSUT1    DD     UNIT=SYSDA,SPACE=(400,(4ØØ,5Ø))
           //SOMLIB    DD     DSN=&&W,DISP=(OLD,DELETE)
           //SYSLIN    DD     *
              INCLUDE SYSLMOD(ADAVCONS)
              INCLUDE SOMLIB
              INCLUDE SYSLMOD(SAVNUC)
              NAME ADANUC
Step 4:    ZAP ADANUC
           //ZAP       EXEC   PGM=IMASPZAP
           //SYSPRINT  DD     SYSOUT=A
           //SYSLIB    DD     DSN=ADABAS.V32Ø.LOAD,DISP=SHR
           //SYSIN     DD     *
              NAME ADANUC ADAEMO
              * Expand the Format Pool
              VER ØØ74 ØØØØ,ØØØØ
              REP ØØ74 ØØØØ,18ØØ      (6K)
              IDRDATA POOL
           /*
```

Good luck! I hope I have saved someone a day of running around.

NEW ADABAS USERS *continued . . . .*

Senat der Freien und Hansestadt
Hamburg, West Germany

This City of Hamburg data processing services agency will be using ADABAS for a property tax billing and payment system. ADABAS is installed on their Siemens 4004/150 under BS1000. Mr. Dieke is the DBA.

Chrysler France
Poissy, France

Chrysler France is the first ADABAS installation in France and the first customer of the new ADABAS Distributor in France, TECSI Software. ADABAS is installed on their 370/155 under OS with TASK/MASTER. The DBA is Mr. George Reoutsky.

Banque Cantonale Vaudoise
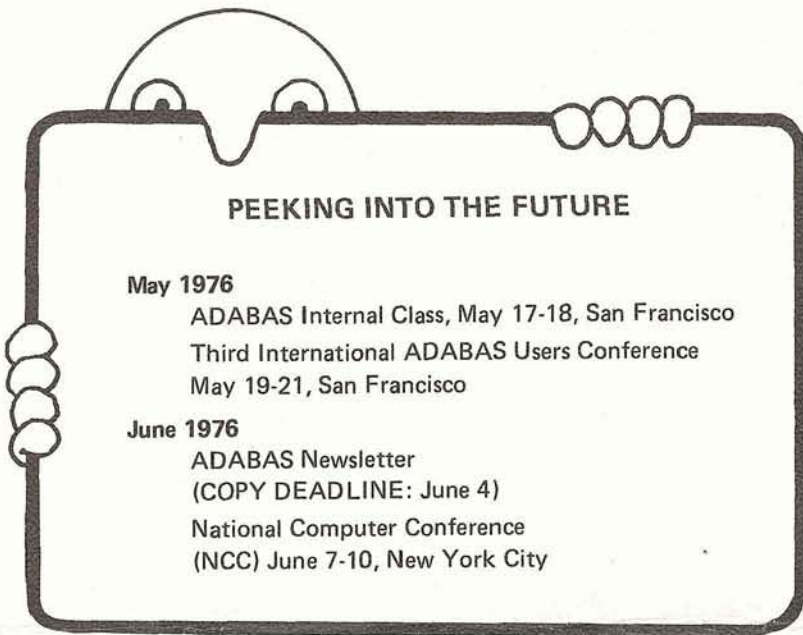Lausanne, Switzerland

Banque Cantonale Vaudoise is one of the largest commercial banks in Switzerland. Several projects involving various banking applications are being developed to use ADABAS on their 370/158 under VS1 with CICS. The DBA is Mr. R. Brun.

State of Nevada Industrial Commission
Capitol Complex
201 South Fall
Carson City, Nevada 89710

The Nevada Industrial Commission is the Workmen's Compensation insurance carrier in the State of Nevada. ADABAS will be used for their policy and claims data and also for the OSHA data. This data base will allow the integration of safety enforcement and accident prevention. ADABAS is installed on the State's central computer facility, a 370/158 under SVS with CICS. William Kerrigan, (702) 885-5253, is the DBA.

City University of New York
585 E. 80th Street, Room 716
New York, N.Y. 10021

CUNY acquired ADABAS for use by the 19 colleges and the central office in both RJE and on-line modes. Typical applications will be student records and personnel information. ADABAS is installed on their dual 370/168 and MVT using CICS. Don Pietruszka, (212) 794-5331, is the Director, Administrative Computing.

PEEKING INTO THE FUTURE

May 1976

ADABAS Internal Class, May 17-18, San Francisco

Third International ADABAS Users Conference
May 19-21, San Francisco

June 1976

ADABAS Newsletter
(COPY DEADLINE: June 4)

National Computer Conference
(NCC) June 7-10, New York City

FREEBIES

Ed. Note:

Freebies is new in the ADABAS Newsletter and is available for you to let other users know what items are WANTED by your organization or AVAILABLE from your organization. Freebies can only be used to list items that are free or available for a nominal distribution charge.

WANTED

Program to analyze the ADALOG file of commands executed. Please contact Ted Leininger, E.I. DuPont Company, Engineering Department (302) 366-3353

AVAILABLE

What programs or procedures do you have that may be of value to other users?

NEW ADABAS USERS *continued* . . .

Simon & Schuster, Inc.
1 West 39th Street
New York, N.Y. 10018

Simon & Schuster, a Gulf & Western Company, is a large publisher. They are developing a fully integrated financial system which is tied in with order processing and inventory. ADABAS is installed on their 370/145 under DOS/VS. Sherman Hunter, (212) 245-6400 x 321, is the DBA.

Commercial Union Assurance Companies
1 Beacon Street
Boston, Mass. 02108

This is the second ADABAS installation for Commercial Union (the first was in England). The first application is the overall claims file. Subsequent applications will be selected policy files. ADABAS is installed on their 370/158 under MVT. They are getting a second 158 and are going to MVS and CICS. Ira Soloman, (617) 725-6455, is the Consultant on data base and Jim Buckner is the DBA.

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"Buy your hardware from the biggest and your software from the best!"

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