

PEOPLE

Service Anniversaries

L'ENFANT PLAZA & MERRIFIELD

Five Years

N. Louis Agee
Beverly W. Andrews
Michael E. Ashton
Tom Avik
Rosemary Baker
Dwight E. Ball
Frederick N. Bauer
James G. Beitchman
Curry O. Bell
Wyatt C. Bowles
George R. Brown
Sonia Bustamante
Tina L. Campbell
Paul W. Cramer, Jr.
James C. Crichton
Dale Crosnicker
David G. Curran
Earl G. Daniels
Victoria L. Dayhoff
Jacques DeTersac
Narinder K. Dhami
Richard N. Dobson

Gerald J. Duggan
Estella S. Edsall
Addie B. Flanagan
Theresa J. Gamble
Kuldip K. Gill
Diane L. Haderly
Robert F. Hallahan
Adriane L. Hawkins
Raymond N. Healy
John A. Hicks
Jeffery L. Hovatter
Pearl F. Huston
Kenneth A. Johnson
Leona V. Jones
David H. Ketcham
S. Ravi Kumar
Danny S. Liu
Shirley L. Lowe
Richard F. Luhrs
Mark D. Mannello
Paul F. McCool
Paul E. Milbrodt
Jagan N. Narayanan

Greg J. Nichols
Giselle Norasing
Donna K. Norman
Robert E. Nunan
Janet M. O'Campo
Ricki Ohl
William P. Osborne
Michael J. Pallenik
Stephen R. Peck
Gilbert A. Pena
Herbert C. Pong
Virginia A. Pruitt
Daria Putnam-Steinhardt
James R. Puzan
H. Bruce Rappaport
Gabriel A. Reddin
Emmitt D. Robinson
Daniel R. Rodman
Thomas Roop
Iqbal P. Sadiq
Surinder P. Sharma
Larry D. Siler
Somdy Sisavath
Janis R. Slade
Robert K. Smith
Clyde D. Sypolt

Warren D. Thomas, III
Brenda B. Townsend
Edna S. Umali
Ernest L. Wallace
Daniel N. Washburn
Bernice M. Washburne
Daniel R. Wells
Warner D. White
Keven Williams
Marc M. Zabarchuk
Roman Zawdie

Fifteen Years

Michael K. Glasby
Paula M. St. Clair

Twenty Years

Corporate-Wide
Phillip G. Avruch
Ronald W. Bounds
Jerome D. Bragdon
Donald H. Briggs
Darold D. Browning
Samuel J. Campanella
Edward K. Clarke, Jr.
Walter T. Cheeseman
Sumin Chou
Joe M. Chow
Calvin B. Cotner
Jack E. Conner
Denis J. Curtin
Yoshiaki Daikoku
James D. Dunlop
Richard L. Engblom
Donald Fifield
Howard W. Flieger, Jr.
James Fogg
George R. Huson

Jack H. Inman
Ronald Kessler
Robert W. Kinzie
Wanda M. Latta
Charles O. Lepage
Martin A. Levine
Robert H. Makizuru
Bruce Merrihew
Cornelius J. Merrill
Gerard J. Michaud, Jr.
Paul I. Motoyama
Henry F. Mueller
Norman S. Murakami
Virginia A. Oehler
Thomas C. Patterson
James A. Peasley
Chester Pentlicki
B. Elaine Prech
Joyce Przeleński
Alberto Ramos
Stanley L. Shubilla
A.J. Stotler
Bruce F. Simmons
Pete D. Vaughan
Ronald A. Wells
Chester Wolejsza

CLARKSBURG

Five years

Nagwa E. Abutaleb
Colin L. Bathgate
Joseph C. Beckley
Mary R. Blasinsky
Robin C. Blythe
Theodore W. Boll
Fred W. Brantner
Glen E. Cameron
Janice F. Campanaro
Thomas S. Cheng
Raymond F. Choy
Cynthia E. Cole
Larry E. Cole
Edward Davis
Stephen M. Day
Harold Detlefs
Herman G. Douglas
Robert M. Eiser
Ernest P. Ekelman, Jr.
James R. Fleming
John E. Fry, Jr.
Kenneth Garst, Jr.
Koushik K. Ghosh
Audrey J. Gulden
Calvin C. Harriott
William L. Harvey
Farhad Hemmati
Scott E. Herman
Virginia M. Ingram
Garry Jochem
Bernard V. Joiner
Vic Kanjana
Yih-Sien Kao

James F. Kasik
John Kearney
Marla A. Kinkella
Timothy M. Kline
John W. Kopinsky
Kuo-Cheng Kuo
Richard A. Lake
Chris J. Leber
JoAnn Lee
Lauren A. Martin
Maury J. Mechanick
George R. Mellon, Jr.
Mark T. Neibert
Russell T. Nevins
Timothy W. Reid
David T. Reynolds
Timothy L. Salerno
Norman K. Schafer
Amitabha Sen
Geza P. Serenyi
Ajit Shenoy
Paul A. Stern
Carolyn A. Superka
Steven L. Teller
Penney A. Trusty
Deborah S. Warrenfeltz
Barbara J. Wassell
Chris L. Wendland
Robert W. Whitaker
Rhonda M. Wilcom
Christine L. Wolfe

Ten Years

Phyllis A. Book
Earl W. Carpenter
Carolyn D. Daganhardt
Carol J. Ecker

Benard G. Farrell, Jr.
William G. Germain
Richard Gibbons
Janet E. Glover
A. Kevin Grantham
Pamela L. Green
Carroll R. Haugh, Jr.
Nelson M. Jacobus, Jr.
Christine A. King
Lin-Nan Lee
Stephen McMains
John G. Phipps, Jr.
Louis R. Pryor
Kai Rasmussen
Mark D. Redman
Wayne D. Redman
Blanche S. Reid
Edward Reinhart
David V. Rogers
Marvin L. Stanton
Steven J. Struharik
Janice A. Wilson

Fifteen Years

Michael J. Barrett
Steven P. Beall
Jack B. Bell
James C. Carter
Esther A. Disney
Harcharan K. Gambhir
Aaron Goldsmith
William F. Holloway
Richard W. Jones
Mary M. McGaha
Edward F. Mikus
David G. Reiser
Virginia A. Shoemaker



Andover 20-Year Vets Honored

COMSAT last month honored 14 employees for their contributions during 20 years of dedicated service at the Andover, Maine earth station. The honorees included six men who joined COMSAT within a year of the launch of Early Bird in 1965 and eight who joined the following year. Honored at a banquet at the Madison Motor Inn in nearby Rumford, the 20-year veterans and their wives are (front row, left to right) Bruce and Sylvia Simmons, Gerard and Judith Michaud, Donald and Janice Verrill, Donald and Shirley Fifield. (Second row) Charles and Joan Lepage, Jack and Andrea Conner, Ronald and Madelyn Wells, Charles and Colleen Jaros, Constance and Jerome Bragdon and Shaun Arness. (Third row) Cornelius and Alberta Merrill, Arthur and Gail Haseltine, Kenneth and Alice Dixon, Daniel and Carol Grenier and Harry Gross, vice president of COMSAT International's Operations Division, host of the banquet.

Jamesburg

Richard A. Parker, Facilities Mechanic II

Etam

John T. Sofranko, Sr. Technician

Ponapei

Steven S. Welly II Technician

Nahzar B. Yens, Senior Technician

Clarksburg

Jeffrey B. Allison, Electrician Corporate

Kathleen M. Burch, Senior Technical Specialist COMSAT Labs

David G. Carter, Manager Software Engineering COMSAT Video Enterprises

Martin W. Earl, Associate Department Manager COMSAT Labs

Edward L. Eiser, Technical Specialist COMSAT Labs

Renee M. Hebb, Information Specialist I Corporate

Donald L. Johnson

Donald K. Kron, Senior Financial Analyst, COMSAT Labs

Earl L. Main, Associate Staff Member, COMSAT Labs

James P. McRorie, Senior Technical Specialist COMSAT Labs

Leonard T. Ngo, Operations Engineer I, World Systems

Carl D. Quinones, Assistant Engineer, Information Systems

Joslyn Read, Foreign Affairs Manager, World Systems

Timothy Rush, Senior Member of Technical Staff COMSAT Labs

Steven J. Struharik, Engineering & Test Manager COMSAT Labs

PROMOTIONS



Tai-Sheng R. Tai, Lead System Programmer, Information Systems

Debra S. Warrenfeltz, Communications Specialist Information Systems

Plaza

Robert C. Baxter, Principal Engineer, Information Systems

Frances A. Donald, Corporate Development Assistant, Corporate

Ronald J. Gatling, Accountant In Charge, Corporate

Sandra L. Huffer, Accountant In Charge, Corporate

Anthony A. Loving, Systems Analyst, Information Systems

Linda D. Lynn, Administrative Assistant, Corporate

Hugh R. Manley, Senior Systems Analyst Information Systems

A. Michelle McNeil, Employee Relations Specialist Corporate

Karen R. Moore-Elmore, Executive Secretary, World Systems

Mary K. Pedigo, Manager Accounting Operations, World Systems

Rosamary Richmond, Information Specialist II Corporate

Merrifield

Hyun C. Choi, Senior Assembler, Information Systems

Roy R. Delawder, Supervisor Quality Control, Information Systems

Robin M. McIntyre, Senior Engineer I, Information Systems

Tuan Minh Ngo, Senior Test Technician, Information Systems

Craig A. Perry, Associate Planner, Information Systems

El Segundo

Lilia D. Benavidez, Executive Secretary, Information Systems

Van Ness

Dana A. Beugless, Senior Software Maintenance Analyst, Information Systems

Review of
1987

'87 IS YEAR FOR BUILDING FUTURE GOVERNMENT BUSINESS

Going after government contracts and large commercial communications projects can be a lesson in patience.

So it has been this year for COMSAT's Information Systems Division, which includes the company's efforts to market its expertise to government and commercial markets.

But while success in these markets may take time, the reward—when it comes—can make the wait worthwhile.

"While this is the least developed of our unregulated businesses, we believe that COMSAT has the potential to penetrate these markets and to contribute strong growth in both revenues and earnings," Chairman Irving Goldstein told shareholders last month.

Goldstein outlined the company's strategy in pursuing the government market. "Our approach to this business will take full account of the unique characteristics of doing business with the government. We must choose our targets carefully, and bid competitively," he said.

"Meanwhile, we are seeking attractive companies with which to team," Goldstein added. He pointed to COMSAT's joining with Harris Corporation in a successful bid for a task ordering agreement with the U.S. Air Force. He also cited joining with UNISYS and with Computer Sciences Corporation in pursuing major civil government telecommunications network opportunities.

The division begins the new year with a solid base of business, includ-

ing contracts with NBC, the U.S. and U.K. Navies, and traditional customers such as INTELSAT, INMARSAT, and other COMSAT divisions. SAFECOM, the joint venture with Timplex using the COMSTAR D2/D4 satellites, will go into operation early in the year.

"Looking to new markets, COMSAT expects to capitalize on its communications and software systems and engineering strengths," according to Joel Alper, division president. "COMSAT Labs will play a significant role in terms of supplying the leading edge of a technical resource which a particular opportunity may require," added Alper.

Already, COMSAT has proven that it can be counted on for building advanced communications networks. Its contract to build a communications network for the Voice of America, signed in 1986, was expanded during 1987 when VOA exercised options for additional earth stations. In addition, in early 1987, COMSAT Information Systems Division was awarded a contract by the Cote d'Ivoire to install a state-of-the-art telecommunications network for that nation's executive branch.

"We believe the systems business is a good one for COMSAT," Alper said. "The government market is large and growing. Our more traditional markets provide a solid revenue and earnings base. COMSAT has a proven track record in offering many of the skills required to be successful in these areas."

Health Unit Looking To Meet Employee Needs



Marcia Lee (L), Pat McCullough of Occupational Medical Services.

Programs aimed at meeting the needs of COMSAT employees for health, first aid and fitness will be developed by the recently opened Plaza Health Unit in the months ahead.

The Medical Unit will coordinate all health promotion activities with the Fitness Center.

Currently being scheduled is a first-aid/CPR course for employees interested in becoming part of COMSAT's emergency response team. Employees who want to join the team and become certified should call x6080 by Dec. 31.

The Plaza Health Unit is operated by Occupational Medical Services. (OccuMed) a Towson, Md. firm that employs doctors, nurses and other health program support personnel.

Marcia Lee, who administers nursing duties for the Unit, and Pat McCullough, director of OccuMed, are registered nurses in occupational ambulatory medicine. Primary focus at the Plaza will be on fitness, emergency medicine and health promotion and rehabilitation.

OccuMed ensures cost-containment and compliance with government regulations in accordance with COMSAT's needs.

The Plaza Unit is open Monday through Friday, 10 a.m. to 2 p.m.

Blood Donors May Win Caps Tickets

Employees who give blood during this month's American Red Cross blood drive at COMSAT can register to win tickets to a Washington Capitals hockey game. Winners will be contacted shortly after the drive.

COMSAT will hold the blood drive Tuesday, Dec. 29 from 9 a.m.—2 p.m. in the COMSAT Theater at the Plaza.

For more details, contact the Health Unit at x6080, by Dec. 24.



American Red Cross

Review of
1987

CVE TAKES TURN FOR SUCCESS IN '87

In the beginning (of the year):

- It was called HI-NET Communications;
- It was owned 50-50 by COMSAT and Holiday Corporation;
- It offered but one pay-TV channel;
- It served 170,000 hotel rooms; and
- Profits seemed far away.

By December:

- HI-NET had become COMSAT Video Enterprises;
- COMSAT was its sole owner;
- Two new pay channels and a preview channel had been added;
- It served 260,000 hotel rooms; and
- It will be profitable in 1988.

COMSAT Video Enterprises (CVE) took a notable turn toward success in 1987. After buying out Holiday Corporation's share of HI-NET in March, COMSAT set out to correct technical problems, expand programming choices (and revenue opportunities), and make the service increasingly attractive to hotel owners.

After only a year and a half in the business, CVE had become the second largest provider of in-room video entertainment services to the lodging industry. Only Spectradyne was larger.

At year-end, CVE's future is clearly bright. Its satellite delivered network allows programming flexibility that

can't be matched by other types of delivery systems. Its most recent innovation, the offering of live sports events as pay-per-view specials, was possible only because of its advanced satellite network.

CVE's strategy in offering these specials is clear: provide guests with a compelling reason to choose CVE affiliate hotels and convince hotel owners that good in-room video entertainment can serve as an effective marketing tool.

Looking to the future, Chairman Irving Goldstein said, "We are bullish about the prospects of expanding CVE to new markets and services." ●

Shareholders Elect Directors

Shareholders elected 12 members to the COMSAT Board of Directors during a shareholder's meeting at COMSAT's Clarksburg, Md., facility on Nov. 20.

Over 80 percent of the company's outstanding shares were represented in person or by proxy. Twenty non-employee shareholders and some 90 shareholder-employees attended the meeting in person at Clarksburg; 75 employees watched the meeting at the Plaza live via satellite.

Elected to the Board were Lucy Wilson Benson, Joseph V. Charyk, Frederick B. Dent, Elliott M. Estes, Walter A. Fallon, Lewis W. Foy, Irving Goldstein, Arthur Hauspurg, Melvin R. Laird, Peter W. Likins, Robert G. Schwartz and Bruce G. Sundlun.

Shareholders also voted to appoint Deloitte Haskins & Sells as the corporation's independent public accountants and to amend the Articles of Incorporation to decrease the authorized shares of common stock from 150 million to 40 million. ●

Sale of Businesses To Contel Completed

COMSAT Corporation completed the sale of COMSAT International Communications and its very-small-aperture terminal (VSAT) business to Contel ASC on Nov. 19. The Federal Communications Commission had approved the sale earlier in the week.

Price tag for the two businesses totaled \$41 million. The deal was announced in early July as part of the agreement under which COMSAT and Contel would end their planned merger.

COMSAT Chairman Irving Gold-

stein said he was pleased at the FCC's timely approval of the transaction.

"Because of this sale and the other strategic business decisions we have been involved in these past several months, we can more sharply focus on and build our government systems and entertainment distribution markets, as well as meet the competitive challenges in our INTELSAT and INMARSAT businesses," he said. "I am anxious to get on with the future." ●

Profit-Sharing Match Approved

Employees who contribute 3 to 6 percent of their pre-tax salary to COMSAT's Savings and Profit-Sharing Plan will receive a bonus contribution to their accounts this year, following approval by the company's Board of Directors.

The additional contributions will equal 20 cents for each \$1 of 1987 pre-tax contributions in the 3-to-6-percent bracket. It is in addition to the regular 25-cents-on-the-dollar match for money contributed in the 3-to-6-percent

of income bracket and the dollar-for-dollar match on the first two percent of pre-tax contributions.

This marks the third consecutive year for an approved additional contribution.

Employees who are not receiving the maximum benefits under this Plan should consider increasing their contribution rate for 1988. The appropriate forms for making the change are available from Human Resources offices. ●

MCI, AT&T To Own International Earth Stations

MCI International will be the new owner of the earth station in Andover, Maine, effective Jan. 1.

Since the 1960s, Andover has been 50 percent owned by COMSAT as a member of the Earth Station Ownership Committee (ESOC). Other owners have been AT&T, RCA Global Communications and Western Union International.

The Andover station is regarded as an historic site in satellite communications. It was there that AT&T, builder of the earth station, tested Telstar, the first satellite to relay communications signals across the ocean. Andover also provided the earth station link with Early Bird, the first commercial international communications satellite launched in 1965 by INTELSAT.

Deregulation, which created increased competition among members of ESOC, led to the end of the consortium and ultimately to the sale of Andover and other ESOC-owned earth stations.

In a separate action, the FCC Common Carrier Bureau has authorized AT&T to acquire the interests of COMSAT and other members of ESOC in the international earth stations at Jamesburg, Calif., Etam, W. Va., and Roaring Creek, Pa. Ownership is scheduled to transfer at the beginning of the year.

MCI Acquiring RCA Global Comm.

General Electric, owner of RCA Global Communications, and MCI Communications, have asked the FCC to allow the transfer of the GE international communications subsidiary to MCI. The announced price is \$160 million.

In the filing, the two companies said the acquisition would enhance MCI's competitive position in worldwide messaging and data services and that the public and RCA Globcom's service should benefit from MCI's "concentration on the needs of telecommunications users."



Now in-room entertainment costs no more than a bottle of shampoo.

COMSAT Video Enterprises, formerly U.S. Satellite Communications, the satellite television service, can give you a competitive edge for about 17¢ a day. About the same as a hotel-size bottle of shampoo—with no capital investment and with minimal staff involvement.

In certain cases, hotel guests could receive entertainment at a "near pay-per-view" amenity. And to make it completely marketable, this service can, optionally, be sold to a secondary market.

With COMSAT Video Enterprises you:

- can give your guests, in-room programming that includes Showtime, ESPN, Headline News and MTV;
- can give your guests, with Satellite Cinema, optional 24-hour music; plus video conferencing and in-hotel meeting capabilities.

To find out how you can get an official 30-day trial, or your comparison, call 901-968-7111.

For quality in-room entertainment and more, COMSAT Video Enterprises is the right choice.

COMSAT Video Enterprises

CVE Ad Gets Highest Readership

A COMSAT Video Enterprises trade ad, above, which ran in the July issue of Hotel & Motel Management magazine, had the highest readership recognition of any ad in the issue. A Starch Readership study showed that 52 percent of the readers responding to the survey said they looked at the ad, 23 percent said they read it partially, and 13 percent said they read it thoroughly. The four-color, full-page ad's page 5 location may have contributed to its success, said Karen Kearney, CVE marketing manager. Starch readership studies are aimed at gauging advertising effectiveness.

TBS To Join CVE Programming

COMSAT Video Enterprises (CVE) is adding America's most-watched cable network to its free-to-guest programming lineup.

Analysts Bullish On COMSAT

Donaldson, Lufkin & Jenrette "continues to recommend purchase of COMSAT based on the restructuring of its business entities, the stability of its core regulated business, and its significantly undervalued CATV-like business," the securities firm said in a research update issued recently.

The report cited recent COMSAT developments that support its recommendation. Among them were the recently signed agreement with AT&T, third quarter reported earnings, the expectation that COMSAT will settle shortly with the FCC on the refund order, and the possibility that COMSAT may acquire additional market share

SuperStation TBS, which previously has been offered by CVE during morning and afternoon hours, now will be available full-time to hotels in good standing.

TBS is a family-oriented station, featuring G-rated movies, specials and sports. It carries TV's most extensive schedule of NBA basketball and 150 National League baseball games, along with major auto racing and college football.

The addition of TBS, resulting partly in response to affiliate requests, "will enhance the overall appeal of each hotel's in-room entertainment service and enhance the hotel's competitive edge," according to CVE President David Beddow.

To deliver TBS to its affiliates, CVE is adding another satellite signal plus additional equipment to its Memphis Broadcast Operations Center and at each hotel.

Cost For Movies To Increase

Hotel guests who watch feature movies on Satellite Cinema Channels 1 and 2 after the first of the year will be asked to pay \$6.35 per viewing, up from the current \$5.95 price. The increase follows the lead of Spectradyn, COMSAT Video Enterprises' main competitor in the in-room video entertainment business.

All "late nite" movies on Satellite Cinema 3, including double or triple features, will be priced at \$6.35 for the evening.

in the hotel-room video market.

"We estimate COMSAT's value at \$45 per share, and we are using a price target of \$40," the report concluded.

Another institutional research report issued in late November recommended that readers "buy" COMSAT stock. Issued by Chesapeake Research, the report termed the recently reached agreement with AT&T "very positive for COMSAT. The agreement should provide the company with a steady revenue stream for the next seven years and give them time to adapt their satellite technology to compete head on with fiber optics in the 1990s."

News Briefs

COMSAT, ARINC Agree On Air Service

An agreement reached between COMSAT and Aeronautical Radio, Inc. (ARINC) could enable U.S. companies to begin using INMARSAT to provide aeronautical communications services.

The agreement paves the way for allowing COMSAT to serve as the U.S. signatory to INMARSAT for aeronautical services. Earlier this year, the FCC proposed allowing a consortium of aeronautical service providers to serve as INMARSAT signatory for those services.

Under the agreement, COMSAT would lease capacity on INMARSAT satellites to ARINC at fair fixed prices. ARINC could use COMSAT's earth stations or its own. ARINC would have "meaningful input" into decisions relating to INMARSAT.

The INMARSAT Council addressed the ARINC lease in its Nov. 25-Dec. 2 session, but deferred a decision on the U.S. request for leased capacity for aeronautical data communications until its next meeting in March 1988.

Full-Time INTELSAT Traffic At Milestone

INTELSAT recently reported that its total full-time traffic reached 100,000 derived channels in mid-October. In calculating the number of channels, a circuit multiplication gain of two was assumed.

INTELSAT said the 100,000 count is double the number carried at the end of 1981 and a 700-fold increase over the 150 channels carried at the end of 1965, the first year of commercial satellite communications.

During the first nine months of 1987, channels grew at a rate of 13 percent. INTELSAT said recent growth is tied to the use of smaller earth station antennas as well as TDMA and INTELSAT Business Service offerings. Today, over 750 earth station antennas operate with INTELSAT satellites.

During October, COMSAT Intelsat Satellite Services reported growth of

134 full-time voice grade circuits. For the year, COMSAT has added nearly 2,700 full-time voice circuits.

White House Nominates New FCC Members

The White House has nominated Bradley Holmes, chief of the Policy and Rules Division of the FCC's Mass Media Bureau, to succeed former FCC Commissioner Mark Fowler. Private Washington lawyer Susan Wing, partner in the law firm of Hogan and Hartson, is reported to be a front-runner for the FCC seat formerly held by Mimi Weyforth Dawson.

Senate confirmation for Reagan Administration nominees could be difficult. The Democratic-controlled Senate—upset at the FCC's move to drop the fairness doctrine despite Congressional opposition—may not be in any mood to approve Republican nominees before Dawson's term expires on June 30.

Service Ends On Last INTELSAT IV

INTELSAT recently decommissioned the last INTELSAT IV satellite still in operation, sending it out of geosynchronous orbit. The first INTELSAT IV spacecraft was launched from Cape Canaveral, Fla., in January 1971. Only one of the eight INTELSAT IV satellites launched was lost.

The 12-year service life of the last INTELSAT IV was not uncommon, even though the series was designed to last only seven years.

The INTELSAT IV satellites were the forerunners of the INTELSAT IV-A series, two of which remain in operation.

Wanted: Part-Time Instructors

The University College's Center for Professional Development at the University of Maryland is seeking instructors to teach in its engineering management program.

Further information is available from Richard Skwarek, at (301) 985-7197.

INMARSAT Now At 53 Members

Columbia and Peru have joined INMARSAT, increasing its membership to 53 countries. TELECOM Colombia and ENTEL-Peru will serve as their country's signatories. With the addition of Colombia and Peru, six South and Latin America nations now belong to INMARSAT.

Air Passengers Begin Phone Tests

Passengers flying Japan Airlines this month became the first to field test satellite telephone communications from aircraft using the INMARSAT satellite system.

The trial involved the Japanese Ministry of Posts and Telecommunications and the Japanese Signatory to INMARSAT, KDD, as well as Japan Airlines. The airborne antenna, developed by the Japanese Ministry's Radio Research Laboratory, was mounted on a JAL Boeing 747, which flies a weekly trans-Pacific route between Tokyo and the U.S. West Coast.

INMARSAT plans to begin offering telephone and data satellite communications services for aircraft next year.

Martin Marietta To Launch British Satellite

Martin Marietta's Titan rocket has been chosen by the British Ministry of Defense to launch a military communications satellite. The August 1989 launch will mark the first commercial launch of the Titan. The British satellite is the fourth signed up for Titan delivery into space.

NTIA Plans Policy Review

The National Telecommunications and Information Administration (NTIA) will conduct a review of domestic and international telecommunications policies. It will be the first such review since 1969. The review will survey some 20 different communications and information industry markets. Findings will help the agency make national policy recommendations.

News Briefs

Report Optimistic About Earth Stations

A new two-volume report by Frost & Sullivan, Inc., forecasts an optimistic decade ahead for those in the domestic satellite business. The report, "The Satellite Communications Market in North America—Commercial Systems, 1987-1996," predicts annual earth station sales up from last year's \$832 million to \$3.4 billion in 1991, \$4.4 billion in 1995, then heading downward by 1996. Despite competition from fiber optic cables, the satellite communications business will continue to flourish as private business networks using video services and very-small-aperture terminals grow, the report says. The television receive only (TVRO) market, which collapsed in 1986 due to scrambling and local zoning regulations, will bounce back, Frost & Sullivan predicts. They see the TVRO market valued at \$1 billion by 1990 and rising to \$2.8 billion by 1995. Programming will be important to hardware sales, the report warns.

Biggest Teleconference In History

COMSAT last month played a major role in staging an international teleconference linking over 50,000 participants in 79 cities in 16 countries. The event, sponsored by the Hunger Project, is thought to be the largest international satellite teleconference in history.

The Hunger Project is a non-profit organization committed to the end of world hunger by the year 2000. The four-hour program featured leaders in international development and others seeking to end world hunger.

Three INTELSAT satellites over the Atlantic and Indian Ocean regions carried the teleconference. The live broadcast, originating from New York, was transmitted via a GE Americom satellite to the Etam earth station. From there, COMSAT provided satellite space segment so that the program could be made available to 16 other nations. In addition, COMSAT coordinated program distribution between two domestic satellite providers, who, in turn, beamed the event to 49 U.S. cities.

THE PRINTED CIRCUIT

Editor: Jocelyn Ward

Send your ads to:

Jocelyn Ward
Room 1105 (Plaza)
DEADLINE: Jan. 5

CARPOOL

Interested in forming/joining carpool from Fair Lakes/Fair Oaks area to Labs. Call Linda—428-4269 or Yogesh—428-4639

FOR SALE

'85 Chrysler New Yorker. Turbo, automatic transmission, power steering and brakes. Gunmetal blue, AC, power locks, windows & seats, AM/FM cassette, 8-function computer. Garaged, Maryland inspected, warranty, excellent condition.

Call: Jay Trager (W) 863-6358, Leslie Sherman (W) 863-6934 or call 869-1670 after 7 p.m.

'82 Toyota "Supra." 5-speed. Black/silver with sunroof, digital dash. Power windows, power brakes, A/C, Pirellis. Excellent condition. \$6,900.

Call: (W) 863-6970; (H) 340-1212

'79 Light Blue Convertible Bug w/Black Top. 38,000 original miles. Good condition.

Call Sonna Gusky: (O) 863-6269. (H) 772-3937

'71 MG Midget. \$500/offer.

Call Joe Concaugh: (W) 876-3726; (H) 537-8095 after 7 p.m.

Manassas, country setting. Split foyer, all electric, 4 bedrooms, 3½ baths, family room with fireplace, 3-car garage, deck (12' x 16'). One acre well landscaped, underground wiring, central AC, attic fan, garbage disposal. \$159,900.

Please call 703/361-3852

Everett Piano. Console, cherry wood. Excellent condition. Appraised at \$1,000.

Ethel Saltz: (W) 863-6461; (H) 299-4936

General Instruments ku-band 1.8m satellite video receive-only system. Includes indoor/outdoor unit with TV modulator and pole mount. \$400/best offer.

Foha Rear Spoiler for 1979-1985 Mazda RX-7. Never used. Retail for \$240, sell for \$100.

Model Trains. Both HO and O gauge make great Christmas gifts.

Call Joe Concaugh: (W) 876-3726; (H) 537-8095 after 7 p.m.

MISCELLANEOUS

There are "Lost & Found" articles in the security office that have not been claimed. For more information or to claim, call the Security Office (Rm 1105) on x6617