



# INTERCOM

JUNE, 1978

PUBLISHED FOR EMPLOYEES OF THE BROADCAST PRODUCTS DIVISION

QUINCY, ILLINOIS

## BROADCASTING - INTERNATIONAL 1978

The above headline was the theme of the 56th annual NAB Convention and International Exhibition that was held in Los Vegas April 9 thru 12, 1978. There were more than 20,000 perspective customers in attendance of which some 300 were Harris' international visitors. Harris BPD

display was in the limelight during the entire show with its AM Stereo and its Cyclotron System (CPV TV antenna and BTD 100 H3 TV transmitter).

Again this year....Harris Broadcast Products Division had the top leadership display.



Vern Killion, DSM TV thanks Hugh Burney, Chief Engineer WWL-TV New Orleans for the order he has just signed while Ken Schwenk, Director Domestic Sales looks on with approval. Mr. Burney purchased a BTD 50 L2 and the first new CPV Circular Polarized Television Antenna that was sold at the show.



Fred Powell, A. S. M. Africa, Mme. Marie Jeanne Casset, Radio Engineer Senegal, Dr. Daouda Sou, Minister of Information and PTT Senegal, Farouk Ayad, Harris Representative Senegal and John Boatman, Sales Director Africa, Europe and Far East discuss their tour of the HBPD display.



Keith Townsden, Chief Engineer KLFY Lafayette, LA., Vern Killion, Ken Schwenk and M. N. (Buddy) Bostick, President and General Mgr. KWTX Broadcasting Co., Waco, Texas assemble to discuss Harris products. Mr. Bostick ordered four Harris TV transmitters in March.



Jerry Preston, Sales Manager Radio-East demonstrates the MS-15 FM Exciter and MSP-100 Audio Processor to Tom Mathis, KSIH Pocatello, Idaho.



Harris BPD and SATCOM exhibit at N.A.B. in number 1 position...directly in front of entrance.



Walt Rice, Sales Manager Radio-West is shown discussing equipment needs with George Wilburn, V. P. General Manager of three station group in Oklahoma.



Ivey Raulerson, Radio DSM Jacksonville, FL and Bob Hallenbeck, Radio DSM Albany, NY are shown with Ed Reid (center) Chief Engineer WGAN-TV Portland, ME., as they review the literature on Harris products.



Gene Whicker, V.P. General Manager, Gene Edwards, V. P. Marketing, Mr. Sefadim Kamrani, Harris Representative Iran and Keith Dunford, Sales Director Iran are shown in the center of the Harris Broadcast Products Division N.A.B. display.



Leo Gilbeau, Sales Manager HBPD Canada demonstrates AM stereo to George Roach, Director of Engineering at CFRA-CFMO Ottawa, Canada. The picture reflects the pleasing tone of the demonstration.



July, 1978...

## 30 Years Of Service To The Employees Of Harris Broadcast Products Division



Standing, from left to right: Howard Junk, Richard Wellman, Lovica Marksbury, Stanley Roberts, Marvin Nickel and Don Runde. Seated, from left to right: Nancy Butler, Fred Fleischman, Jim Gibson and Esther Kattelman.

YOUR Credit Union provides low-cost loans and an easy way to save money. It also offers loan insurance, life insurance, savings protection and financial counseling.

Harris BPD's Credit Union has been guided for 15 years by Esther Kattelman as treasurer and an active Board of Directors. Members of the current board are:

James Gibson, President

Fred Fleischman, Vice President

Nancy Butler, Secretary

Esther Kattelman, Treasurer

Richard Wellman, Marvin Nickel and Lovica Marksbury make up the Supervisory Committee while Howard Junk, Donald Runde, Stanley Roberts and Thomas Krohn comprise the Credit Committee.

Total membership of Harris BPD's Credit Union is 762 SHAREHOLDERS. The present interest rate on loans is 12% A.P.R. The limit on unsecured loans to eligible borrowers is \$2,500.00. \$10,000 to eligible borrowers for secured loans.

Dividends for the past year were paid at 6%, bi-annually. Beginning in 1978, dividends will be paid quarterly on March 31, June 30, September 30 and December 31.

Credit Union office hours are 8:30 a.m. to 4:30 p.m. and the office is open through lunch hours and break periods, except on Tuesdays.

For more information about the Credit Union, you may contact Esther Kattelman or any of the above mentioned Board Members.

## Patent Award And Retirement Celebration



Standing left to right: Art Wymer, Vic Mills, Jack Monahan, Dale Bostrom, Andy Juettner, Chuck Smiley, Bob Beaver, Ron Fisk. Sitting left to right: Dan Maase, Joe Wiggins and Cara Aman.

Joe Wiggins, Principle Engineer for Harris retired on May 31, 1978. At his retirement luncheon held on May 26, Dan Maase, Vice President of Engineering, presented Joe with a patent award for his most-recently issued U. S. patent, entitled "Video Preamplifier". This patent is the fourth issued to Joe in the television field. Joe also received the Harris Corporation "Superlative Camera Tweaker Award" signed by his co-workers for his high quality work in television cameras throughout his career. Appropriately, Joe also received a fishing rod and reel to help him enjoy his leisure time during retirement.

Joe has been a Principle Engineer in new-product development since transferring from the General Electric Broadcast Division in 1972. He was a major technical contributor to the development of the Harris TC-80 and TC-50 color television cameras as well as a new product planner in the video area. Joe is a technical specialist in the areas of video circuitry design, optics, colorimetry and electro-optics pickup devices.

Joe started work as a test engineer at General Electric in 1937 and advanced to the position of Consultant. He had been located in Syracuse and Schenectady, New York, and assigned to the space program at Cape Kennedy for one year.

Joe and his wife, Virginia, will be moving to their new home in Port Richey, Florida where Joe plans to spend his time engaged in sailing, astronomy, golf, cycling, learning piano and developing an automatic sprinkling system for his lawn.

## Patent Award Luncheon



Seated left to right: John Amery, Cliff Leitch and Dale Bostrom.

Standing left to right: Gene Whicker, Chuck Smiley, Terry Hickman, Dan Maase, Andy Juettner, Bob Weirather and Jerry Collins.

Jack Monahan and Hilmer Swanson received awards but were not available at the time the picture was taken.

A patent award luncheon was held December 15, 1977 at the Quincy Country Club for employees of the Division who have recently had patents awarded or applications for patents filed at the U. S. Patent Office.

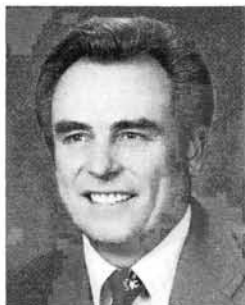
Dan Maase presented Jack Monahan with a patent award for his television camera patent entitled "Contrast Compression Circuits". He also received newly printed copies of his patents entitled "Automatic Centering" and "Variable Speed Iris Correction".

The following employees were presented awards for filing of patent applications: Jerry Collins for a UHF "Slot Antenna". Cliff Leitch for a "Compatible AM Stereo System" and "AM Stereo Receivers." Chuck Smiley for a "Coherent Carrier Timing Signal". Hilmer Swanson for a Polyphase Pulse duration Modulation Amplifier". John Amery received a Meritorious Invention Award for his disclosure of improved gamma correction circuitry for television cameras.

Harris Broadcast Products Division presently owns the rights to 102 U. S. patents and 25 foreign patents in the broadcast and communications field. There has been a sharp increase in the number of disclosures and patents being filed in the last two years which, in part, attests to this Division's world leadership position in broadcast and communications.



# GENERAL MANAGER'S REPORT



G. T. WHICKER

As most of you know by now, our 1977/78 fiscal year results have been disappointing—though certainly not disastrous. In fact, our domestic sales will be at a new high this year, about 15% over plan, and well above the domestic record set in 1976/77. The problem has been our international order rate, and I will go into this, and our outlook for 1978/79, later in this column.

## STRONG DOMESTIC PERFORMANCE

As I mentioned, our domestic sales were very strong during the year, and this applied to both radio and television. We are particularly pleased with the TV transmitter order rate, which accelerated considerably, and put domestic TV well above the annual operating plan. Also, indications are that our new product developments in circularly polarized TV antennas will pay off handsomely in the near future, as interest in CP TV transmission is growing even faster than we had anticipated.

Along with this, interest in the Harris AM stereo system is running high. Although the FCC has not as yet authorized a system for AM stereo, many AM broadcasters are already considering the purchase of stereo studio equipment. We are expecting an FCC decision early in 1979, and when it comes it will provide an upside in radio business for us, whatever system is chosen.

## INTERNATIONAL ORDERS BELOW PLAN

Unfortunately, our international orders continue to be below plan by a significant amount. This is primarily the result of unexpected developments in Nigeria and Iran—both of which we depended on heavily in our forecasting for the year.

In Nigeria, the federal government put a hold on all state broadcast equipment purchases and installations until plans were completed for new frequency and power allocations. These plans have now been finalized, active buying has started again, and we have already signed one large and two small contracts. However, this has not come in time to affect results for this year—although it will have a favorable impact late in year 1978/1979.

In Iran, we were counting on a sizeable volume of business flowing smoothly throughout the year, and had started developing the one-kilowatt AM shelter systems for this market. But in late autumn Iran abruptly shifted priorities from medium wave to FM, which, of course, causes us to shift gears. Through outstanding combined efforts in all functional departments, we signed a contract for 144 FM transmitters, and will begin shipping in September. We do expect the size of this program to grow as Iran expands its FM network, so prospects in this market over the next few years looks very good.

Briefly, then, because of apparent customer demands, we forecasted heavily in international for 1977/78, and began some productions based on strongly indicated buying priorities. The failure of these priorities to materialize left us with high inventories and a low factory workload for the last three quarters of 1977/78.

We do not feel that this international business has been lost, but priorities have changed, and we have had to shift operations significantly to adapt to these changes. Also, we have been forced to adopt a much more conservative outlook in forecasting productions against future orders from most oil producing countries, due to the worldwide decrease in the demand for oil.

Further, we are watching closely the current political situation in much of Africa outside Nigeria, to make sure that we are maximizing business where political risks are minimum and minimizing efforts where the risks exist. Overall, Africa will continue to be an excellent market.

## GENERAL OUTLOOK

Although our results have been below plan for the last three quarters, all involved have responded extremely well to a change in our international order level, and we expect to go into the first quarter of fiscal 1978/79 in a good position relative to product costs and expenses.

We are now in the best position ever from the standpoint of high-quality, state-of-the-art, value competitive products. Our domestic and international marketing organizations are strong and the outlook for the U. S. economy, as it affects our customers, is very favorable. This also applies to the world economy, even taking into account some reduction in revenue in oil producing countries, and potential political problems in some parts of Africa.

In short, we expect a good year in 1978/79. Domestically, we could exceed this year's record results. Internationally, even with conservative planning and forecasting, we are expecting a healthy increase in orders and shipments over 1977/78. This is not taking into consideration several large export programs we are working on—any one of which could mean a very significant amount of business for us.

For the remainder of calendar 1978 we expect our overall employment level to remain essentially constant—with moderate increases in 1979, assuming a lessening of tensions in parts of Africa and some improvement in trade relations between the United States and Arab countries.

In closing, I would like to thank each of you for responding so well to the situation over the past three quarters. I believe that through these efforts the rough spots have now been smoothed, and we are nicely positioned to take advantage of future opportunities and to grow at an orderly rate.

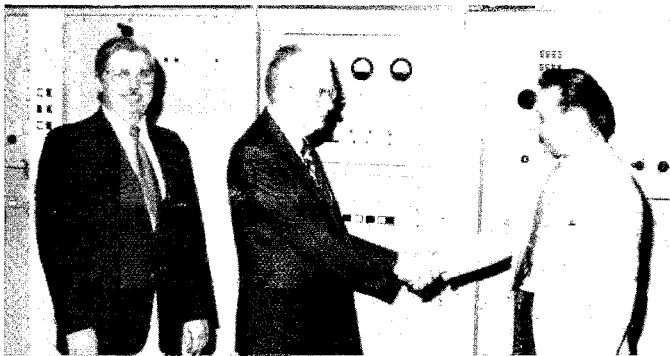
## RECEIVE DRAFTING CERTIFICATES



Drafting certificates were awarded to eleven Harris employees for successful completion of drafting training offered by Broadcast Products. Through John Wood Community College, the students spent six months earning 37 semester hours which provided the necessary skills to be Detailers at BPD.

Front row left to right: Don Hert, Drafting Supervisor, Chris Renard, Debbie Best, Tamie Ragan, Lynne Charlton, Rick Gerling, Randy Mathews, Evelyn O'Brien and Jim Upchurch, Director of Occupational Education at JWCC. Back row left to right: Melva Orf, Jaynie Holtschlag, Heidi Kalakoc, John Baird and Bob Vaughan, Manager of Employee Relations at BPD.

## T-Cas A Success In Saudi Arabia



A friendly handshake between Program Manager Ray Schafer (right) and T-CAS representative Howard Davidson at the conclusion of T-CAS acceptance testing. Project Engineer Fred Anderson reflects complete satisfaction with final test results.

"Dear Mr. Whicker,

This is to thank you and your very capable staff for a job well done in providing T-CAS, Inc. with a dual 20 kW medium wave AM broadcasting system for installation in Medina, Saudi Arabia."

The above is an excerpt from a letter received from William D. Carter, President of T-CAS, Inc. In December, 1977, T-CAS (Telecommunications-Construction and Assembly of Systems) awarded HBPB a contract for development and manufacture of a dual 20-kW AM broadcast system.

Through a commendable effort by everyone involved including two-shift operation by the Test Department during acceptance testing, this program was successfully completed with equipment signoff on March 31, 1978.

This system will now be installed by T-CAS in Medina, a Moslem Holy City, and is expected to be operational by August of this year.

**ANOTHER CHALLENGE SUCCESSFULLY COMPLETED BY HARRIS BROADCAST PRODUCTS DIVISION.**

**EDITOR'S NOTE:** This is the final issue of the Intercom, as such. Beginning in August, the Intercom will change to a bi-monthly publication combining the "old" Intercom and the Manufacturing Broadcaster into one company newsletter. Articles for the paper should be submitted to the reporters as usual. Sally Bruening, Department 330—John Inman, Department 410—Fern Foster, Department 540

## Corporate Appointment



RICK PARISE, Purchasing Manager of this Division, has been appointed representative to the Corporate Procurement Steering Committee for the Communications Group. The appointment was made by E. B. Sweet, Jr., Director of Corporate Material.

In his new capacity, Rick will be meeting monthly with other corporate purchasing representatives to establish priorities as related to divisional and corporate purchasing, to find new methods for achieving greater coordination between divisional purchasing groups, and to guide the direction of the Corporate Material Committee of which he is also a member.

We salute Rick on his Corporate recognition. We know he will represent HBPB well in all aspects of his new assignment.

## Harris Professional Women's Club

The Harris Professional Women's Club sponsored a seminar in February and March of this year for all Harris women interested in career opportunities at HBPB. Approximately 40 people attended each of the four sessions that were held at Quincy College's MDI building.

Each of the speakers provided Harris women with information regarding career opportunities in their functional organization and the responsibilities of their respective department. Each speaker participated in a question and answer period following their presentation. Management personnel who willingly devoted personal time for the Harris women were: E. W. Jaeger, D. F. Maase, A. Q. Crego, P. Gibbs, C. W. Copeland, R. G. Parise, K. R. Schwenk and R. T. Fluent.

The Harris Professional Women's Club has 14 members. They expect to sponsor more career development programs in Fiscal Year 1978/79.



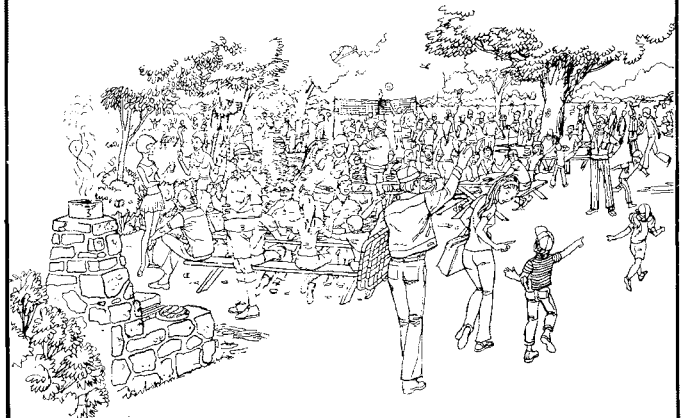
## HARRIS FAMILY PICNIC

**JUNE 28**

**5:00 - 9:00 P.M.**

**SOUTH PARK**

**Parking Available In  
Grant's Plaza**





## Corporate Promotion

Mr. R. B. Tullis, Chairman of the Board Harris Corporation has made the following announcement.

"It gives me great satisfaction and pride to release the following concerning the promotion of Dr. Joseph A. Boyd to succeed me as chief executive of Harris:

Harris Corporation's board of directors today elected the company's president, Joseph A. Boyd, 57, as chief executive officer."

Richard B. Tullis, 64, who has been chief executive officer for the past ten years, continues as board chairman and chairman of the executive committee. The company is an \$800-million-per-year manufacturer of communication and information handling equipment. Its 19 operating divisions employ 18,000 persons in the U. S. and abroad.

In making the announcement, Mr. Tullis said, "Dr. Boyd has been president and principal operating officer of Harris for six years, a period in which sales have more than doubled and net earnings have tripled. He has also played a major role in broadening the company's product base into such fields as semiconductors, satellite communications, computers and data communications, areas that have become major factors in the company's growth."

Dr. Boyd, who was an educator and a scientist before entering the electronics industry, joined Radiation Inc. in 1962 and was president and chief executive when it was acquired by Harris in 1967. He became executive vice president and a director of Harris at that time, and president in 1972.

Prior to joining Harris, Dr. Boyd was professor of electrical engineering at the University of Michigan and director of the university's 1,000-member Institute of Science and Technology, serving on the faculty for 13 years. A graduate of the University of Kentucky, he obtained his doctorate at Michigan.

Dr. Boyd is a Fellow of the Institute of Electrical and Electronics Engineers. He served two terms as president of the U. S. Armed Forces Communications and Electronics Association and is currently a director. He is a trustee of the National Security Industrial Association and a director of the Machinery and Allied Products Institute. Dr. Boyd is also a director of Centran Corporation and its principal affiliate, Central National Bank of Cleveland.

We all wish to congratulate "Dr. Joe" on this recognition of his fine work and we look forward to helping him in the development of the opportunities that lie ahead.

## Customer Training Department Activities

The recently expanded customer training department staff is presently refining and modifying courses on all Harris products, both those that have existed for some time as well as the new products as they are being made available to the broadcast industry. This effort is divided into the following areas: short term domestic and international factory training, short term international on-site training and long term international on-site training which may have a one-year duration with options to renew for fixed periods of time. The long term on-site training may be training only or may be a combination (O. M. T.) operation, maintenance and training effort. Domestic user sessions are scheduled on a calendar year timetable while international user programs are conducted and scheduled on a

customer special basis.

Three newly acquired classrooms, well equipped with instructional support equipment in building 9 are now available and dedicated to customer training sessions. An additional service provided by the Customer Training Department is the technical training sessions that are being conducted in-house for Customer Service Department personnel. This program provides an opportunity for individual upgrading and cross training on all products of the Harris line. Recent sessions of this type were conducted on the MW-5A and the MW-50A radio transmitters and the present line of television transmitter visual exciters with great results. More of this type of training courses are planned for the future.



Among those customers who attended the March 13-17 MW-1A transmitter seminar were from left to right:

Fred Moore, WZZ, Decatur, Illinois; Jim Leacock, KLIN, Lincoln, Nebraska; Darrel Gander, KDUZ, Hutchinson, Minnesota; Terry Bonkowski, Harris Corporation.



Representatives from the Arab Republic of Egypt Organization of Broadcasting and Television Federation who attended the April 13-28 FM-5K technical training seminar were from left to right, seated:

Nagwa Ibrahim Ghobreyal Fadlalla, Samia George Yousef. Standing: Ibrahim Ahmed Shafik, Ahmed Ali Abed Elhamid Torky, David White-Harris Instructor and Hassen Mahmoud Hassan Hussien.

# Reach out...



# ...to communicate



## Welcome New Employees



Robert Bair  
Service Parts



Steve Brower  
Antenna Operations



Leslie C. Brown  
Dev. Section - Mech.



Gary Classon  
Drafting



Charles Coyle  
TV Field Sales



Richard Cutter, III  
Finance Administration



Peg Donovan  
Drafting



Greg Edlund  
Cost Accounting



Kathy Hulvey  
Radio Serv., Intl.



Dale Kieselhorst  
Drafting



Charles King  
Test Equip. Maint.



Brian McCorry  
Credit



Sharon Palazzo  
Order Administration



Rick Rubendall  
Drafting



Paul Sapp  
Radio Trans. - FM



Dennis Sloatman  
Automation Service



Greg Stevens  
Shipping



Kim Stevens  
Data Processing



Bob Unetich  
TV Transmitter Adm.



Stan Weber  
Drafting



David White  
Customer Training

## RETIREMENT



On April 17, 1978, Mary Osmeyer retired from Broadcast Products Division. She has been with the Division approximately 15 years and worked in various assembly departments.

Lots of luck to Mary in her retirement years, from all of us at BDP.

## Equal Employment Opportunity Policy

It is the policy of Broadcast Products Division, in recognition of the essential rights of all employees and applicants as individuals, to recruit, hire and promote all job classifications without regard to race, color, religion, sex, national origin or age, except where sex is a bona fide occupational qualification.

It is also the policy of BPD to take affirmative action to ensure that all personnel actions such as rate of compensation, benefits, transfers, layoff, return from layoff, company-supported training, educational tuition assistance, social and recreational programs shall be administered without regard to race, color, religion, sex, national origin or age, except where sex is a bona fide occupational qualification.

We are required to identify those employees within our work force with ethnic backgrounds: (1) Black, (2) Hispanic, (3) American Indian/Aleutian Native, (4) Asian/Pacific Islander. It is to the company's benefit to acknowledge the presence of all those employees who have these backgrounds in order for our Affirmative Action Program to be approved and successful. A person can be counted as having this background if any of his direct blood relatives, as far back as great, great grandparents were from one of these ethnic backgrounds. On January 23, 1978, Broadcast Products Division received notification from the Defense Logistics Agency that our Affirmative Action Plan for 77/78 is in compliance. This document contains our program for equal opportunity.

If you have questions about affirmative action or if you have an ethnic background to report, please contact Bonnie Dudding, EEO Coordinator, in the Personnel Department.

## Employees With New Company Responsibilities

The following is a list of employees who have accepted new responsibilities with the Company. We know you will join us in congratulating both hourly and salaried employees on their promotions.

Name	Title	Effective Date
Alan Q. Crego	Director of Service	11-1-77
Terry J. Hickman	Dir./Xmtr. Product Dvlpmnt.	12-1-77
Philip Gibbs	Sales Dir./Nigeria	12-1-77
Sharon F. Palazzo	Secretary	12-16-77
Frederick M. Anderson	Lead Engineer	1-1-78
David Musholt	Wrkg. Supvr./Serv. Parts	1-1-78
Lee Harvey	Wrkg. Supvr./Serv. Parts	1-1-78
William A. Harland	District Mgr./Radio Sales	1-1-78
John (Jack) O'Dear	Supervisor/Serv. Shop	1-1-78
Stephen C. Meleney	Electronic Test Tech.	1-9-78
Stephanie A. Brueggeman	Mail Clerk	1-20-78
Walter E. Harris	Electronic Test Tech.	1-9-78
Donald Carpenter	Supervisor/TV Service	2-1-78
James D. Morton	Manager/ME & IE	2-16-78
Donald A. Hendrian	General Foreman/Assembly	2-16-78
Clarice F. Bless	Chief Switchboard Opr.	3-1-78
Verne L. Logan	Sr. Test Tech.	3-1-78
Eleanor F. Hubble	Secretary	3-1-78
Allan Buss	Drafting Grp. Ldr.	3-1-78
Paul L. Buckman	Supvr./D. P. Operations	3-1-78
David A. Siebrasse	Foreman/Inspection	3-1-78
Jackie G. Sanders	Sheet Metal Opr.	3-6-78
Rollie E. Parker	Maintenance Mechanic	3-6-78
Eugene H. Goers	Assembly Tech.	3-6-78
Janet M. Wilson	General Accountant	3-16-78
Clifford D. Leitch	Senior Engineer	3-16-78



## EMERGENCY BRIGADES



During the past few months Emergency Brigades have been organized for the Manufacturing facilities and Administration buildings. Each brigade consists of 10 - 12 employees. These people are assigned specific duties and responsibilities to carry out in case of a fire or other emergency. Brigade meetings are held once a month for training and planning purposes. Fire prevention inspections are also conducted by members of the brigades. These inspection checklists are kept on file after they are completed and are reviewed by our insurance company.

Fire drills will be held during the good weather months. Please know your exit and assembly locations. This is extremely important in case of an actual emergency.

Emergency Brigade members can be identified by the badge, shown above, that they will be wearing at all times. Your cooperation is essential for the complete success of this Division undertaking.

## 35mm CAMERAS AVAILABLE FOR OVERSEAS TRIPS



The Product Merchandising Department now has Canon AE-1, 35mm automatic cameras available for use on overseas business trips.

As you know, there is a great shortage of GOOD installation photos on file and your help is needed. The purchase of these cameras by the department is an attempt to remedy the situation.

The cameras are equipped with full automatics, making operation simple and results consistent. An instruction book will be available, along with a 28 mm lens.

At this time black and white or color film may also be checked out. Please return all exposed film to the Product Merchandising Department. They will take charge of all processing.

Cameras are checked out by Ed Gagnon in Product Merchandising. You will be required to sign a form taking all responsibility for damage or loss of the camera while in your possession.

## HARRIS PROMOTIONS



Charlie Deal

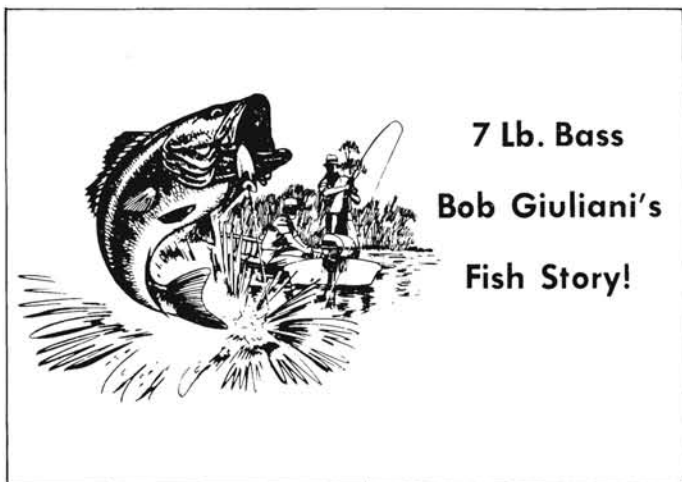
Two Harris employees have recently been promoted within the divisions of Harris Corporation. Charles Deal has been promoted to the position of Personnel Manager, Harris Web Press Division in Westerly, Rhode Island. Charlie joined the Broadcast Products Division in July, 1977 as Manager of Employment. He and his family will be moving to their new location in the near future and he starts his new responsibilities on June 26, 1978.



Jerry Haines

G. M. (Jerry) Hanes joined Harris in 1974 as auditor in the Corporate Financial Department. He first came to HBPD in May of '75 as Director of Accounting, a position he held till February, 1977 when he was promoted to the position of Ass't. Controller Data Communication Division, Nashua operation. He has now returned to Harris Broadcast Products Division as Controller. Jerry and his family have relocated in Quincy and his new responsibilities start immediately.

We congratulate both men on these fine promotions and wish them much success in their new ventures.



7 Lb. Bass

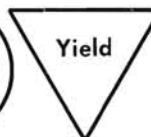
Bob Giuliani's  
Fish Story!

## THE NEW HIGHWAY SIGNS

### Do You Know What They Mean?

(Answers at the bottom)

1. Red Octagons,  
Circles and  
Triangles.



2. Red Stripe over  
Black Figure.



3. Black Figure in Yellow Diamond.



4. Green



5. Blue



6. Orange



7. Brown



1. Prohibit/2. Prohibits what is pictured. No U Turn—No Trucks./3. Warns about what is pictured./4. Gives directions./5. Marks special motorist services./6. Indicates road work ahead./7. Gives information about recreation areas.

# Service Awards

## 30 YEARS



Gilbert Allen



Hardin Stratman

## 25 YEARS



Neal Middendorf



Marilyn Stieghorst

## 20 YEARS



Jim Wagner

## 15 YEARS



Jerry Collins



Alma Neaterour



Don Taylor



Dave Carlson



Viola Majors



Bob McDonough



Tom O'Hara



Ruth Owens

## 10 YEARS

## 5 YEARS

Darla Bowen  
Nancy Butler  
Dave Campbell  
Gary Carpenter  
Barbara Garner  
Marty Long

JoAnn Brown  
Tim Cook  
Phil Covert  
Ralph Crossan  
John Delay  
Phil Gibbs

Eugene Goers  
Bernice Guthrie  
Walter Harris  
JoAnn Harvey  
Lee Harvey  
William Hays

## 1 YEAR

Dave Hertling  
Jean Keil  
Gary Lake  
John Mayenzet  
Bill McCall  
James Menefee

Marsha Morrall  
Dana Myers  
Dan Ozley  
Jerry Preston  
Judy Quesenberry  
Malcolm Ramsay

James Rice  
Charles Scheufele  
Katie Thompson  
Ted Wahlmann  
Jim West  
Darlene Wietholder

## RECENT DEATHS OF HARRIS EMPLOYEES



Lucille Hall



Lee Rector



Jerry Peck

Lucille Hall passed away on April 10, 1978 after an extended illness. She started with Harris in 1969. For most of her time here, she worked as a secretary in Industrial Engineering. Lucille retired from the Company due to ill health on April 7, 1976.

Lee Rector, Field Service Engineer, died in flight to Brazil of an apparent heart attack on May 2, 1978. He joined Harris on August 20, 1973.

Following an extended illness, Jerry Peck passed away on May 16, 1978. He transferred to Broadcast Products in 1975 from Electronic Systems Division where he had been employed since 1966. Jerry was employed here as a Technical Manual Writer.

We extend sincere sympathy to the families of our three co-workers who will be greatly missed.

**HARRIS CORPORATION** Broadcast Products Division  
P. O. Box 4290, Quincy, Illinois 62301 U.S.A.

Bulk Rate  
**U. S. POSTAGE  
PAID**  
PERMIT NO. 122  
Quincy, Ill.

ALFRED

H. PFAFF