

SWITCHBOARD OPERATOR FOR 25 YEARS



Pictured above from left to right: Pat Bybee, Clarice Bless, Gene Whicker and Bob Vaughan.

Clarice Bless was presented with a gold watch by Mr. Whicker during her celebration at the Quincy Country Club. Friends from all over the Division celebrated with Clarice again on the 16th of July during morning break and for dinner. There may be no other employee as widely known as our 25-year switchboard operator.

ROCKWELL AWARDS \$60 MILLION B-1 CONTRACT TO FLORIDA HARRIS CORP.

MELBOURNE, Florida, July 28, 1982—Harris Corporation has received a \$60 million subcontract from Rockwell International Corporation to produce a key electronic system for the Air Force's B-1B bomber.

Frank J. Lewis, senior vice president for the Government Systems Sector of Harris, said, "We began initial work on this B1-B project last fall under preliminary contracts. Now we have authorization and firm options for \$60 million of full-scale engineering development, plus production of equipment for eight aircraft. This could increase to approximately \$250 million

by the time Rockwell delivers the 100th plane in 1986."

Rockwell wants Harris to move swiftly to deliver one of the key "long lead-time items" necessary to meet the Air Force's production schedule for the long-range bomber. That item is an advanced electronic data handling system, which will control such functions as electric power distribution, landing gear, engine instruments, fuel systems and the weapons system.

The Harris system is called "EMUX," for electrical multiplexing, and it will help make the B-1B the most automated aircraft ever designed. It uses two small Harris computers and eleven digital "black boxes" to control the plane's subsystems through time-sharing techniques over a single pair of wires. The system eliminates miles of individual wires, saving hundreds of pounds of fuel-consuming weight and speeding the airplane's assembly process at Rockwell.

New designs, developed since Rockwell built four prototype B-1's in the mid-1970's, have enabled Harris to miniaturize and compress the EMUX system it produced at that time. The new system requires only 13 boxes instead of 29, reducing weight, cutting costs and improving the reliability already demonstrated on the prototype aircraft.

The Government Information Systems Division of Harris will carry out the EMUX manufacturing and assembly work at its facilities in Palm Bay, Florida.

Charles J. Herbert, vice president-general manager of the division, said 200 employees are already assigned to the project, and that an additional 200 will probably be needed when full production is authorized by Rockwell in 1984.

In addition, the Harris Semiconductor Custom Integrated Circuits Division, also in Palm Bay, will participate. That division has developed five new monolithic integrated circuits that will be vital, cost-reducing elements of the EMUX system.

Harris Corporation is a \$1.6 billion producer of communications and information processing equipment, with 26,000 employees worldwide. It is the largest electronics company headquartered in the Southeast U.S.

ENGINEERING RECOGNITION

Engineers and their immediate supervisors celebrated patent filings, issuances and disclosures at a Patent Award Luncheon on April 21 at the Quincy Country Club. Division personnel honored that day were:

G. W. Collins

Circularly Polarized Zig-Zag Antenna (Patent Issued)

J. D. Jubera

Phase Invariant Power Divider (Meritorious Invention Disclosure)

G. J. Keller

Apparatus for Determining and Indicating the Position of a Movable Member (Patent Filed)

G. M. Sanderson

Apparatus Providing Automatic and Manual Control of Setup Adjustments for TV Cameras (Patent Filed)

C. F. Smiley

Beam Current Control System for Image Pickup Tube (Patent Filed)

H. I. Swanson

Polyphase PDM Amplifier (Patent Issued)

C. M. White

Apparatus Providing Automatic and Manual Control of Setup Adjustments for TV Cameras (Patent Filed)
High Speed, High Efficiency Amplifier Circuit (Patent Filed)

A. C. Wymer

Beam Current Control System for Image Pickup Tube (Patent Issued)

B. G. Yochum

Apparatus for controlling an Operation Characteristic of a Controlled Device in Accordance with the Position of a Movable Member (Patent Filed)
Apparatus for Determining and Indicating the Position of a Movable Member (Patent Filed)



CREDIT UNION NEWS



RATE OF RETURN ISN'T EVERYTHING

From time to time, members ask us why they should invest their money in a share account at the credit union when there seem to be so many other investment plans that earn higher interest rates. Of course, one answer is that your share account is **safe**; your deposits are fully insured. Your money will earn a reasonable dividend and you certainly won't **lose** any money. That's not true of all investment plans. But there's a still more fundamental reason for investing in a share account.

Life Blood of Credit Union

Your share account is your **share** of the credit union. It makes you an owner, and thus it represents an investment in yourself and in your fellow members. Furthermore, member share accounts are the lifeblood of the credit union; they provide the funds with which the credit union makes member loans. Without these accounts and these funds, the credit union simply could not function.

Not For Profit

The credit union is not in business to make a profit or to provide its members with the highest rate of return in the financial marketplace. The credit union exists to **serve** its members by offering a fair return on their investment and by providing loans at reasonable rates. Yes, you can earn higher interest rates on your money elsewhere, but ask yourself what you'll **pay** if you go elsewhere to **borrow** money.

Key Is Pooled Resources

The credit union is a co-operative. It's based on principles of self-help and mutual aid—people pooling their resources to help one another. Obviously it can't succeed if everyone is seeking help (borrowing) and no one is pooling resources (saving). It's a two-way street. That's why you should be investing in your share account; so that when the time comes and you need financial help, we'll be here to provide it.

HARRIS BROADCAST MICROWAVE OPERATION, SAN CARLOS, CALIFORNIA

The Broadcast Microwave Operation in San Carlos, California has a new Vice President and General Manager effective March 8, 1982.

I. Tunis Corbell was previously Vice President of Manufacturing at the Farinon Division of Harris Corporation for one-and-a-half years. Prior to that time Tunis was President of Darcom, a Harris Corporation subsidiary in Albuquerque, New Mexico.

Mr. Corbell has a broad background in the Microwave Telecommunications industry which includes executive positions at Southern Pacific Communications, MA/COM (Microwave Associates), ITT Telecom Systems, and General Electric Communications.

Mr. Corbell received his BSEE from North Carolina State University. He and his wife, Dina, reside in Los Altos Hills, California.



We do not know who these beauties are, but if the proud parents will contact the Intercom Office, there is an 8x10 black and white photograph for you.

Published by and for employees of
Broadcast Division.

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Steve Davis

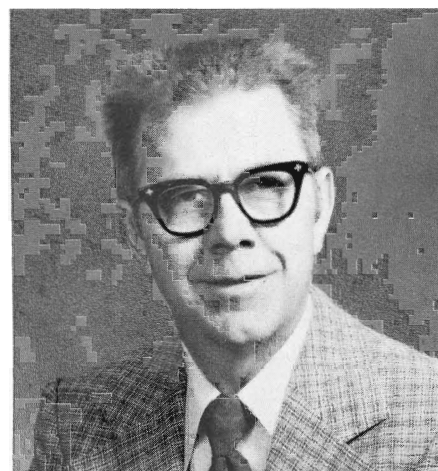
EDITOR:

Bonnie Dudding, Dept. 929

INTERCOM



HILMER SWANSON NAMED SENIOR SCIENTIST



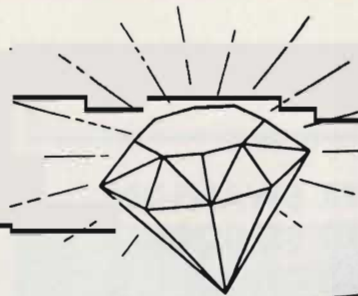
Hilmer I. Swanson has been promoted to Senior Scientist at the Broadcast Division of Harris Corporation. He is the first senior scientist in the division and one of 16 in the entire corporation, which has 26,000 employees.

SYMPATHY



Vic Mills began his employment with the Broadcast Division of Harris in 1973. From 1973 until 1979, Vic worked in various departments within the Engineering function. In October, 1979, he was appointed to the position of Consultant in Value Engineering and discharged his duties there until his death in May, 1982.

Vic was buried in Quincy on May 10. Many, many friends were saddened by his death and hold dear the memories of when he, this special friend and co-worker, was with us.

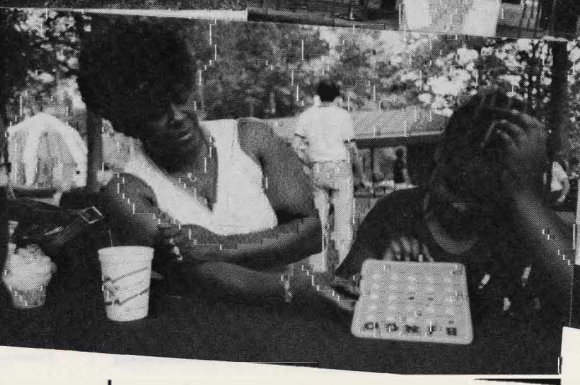
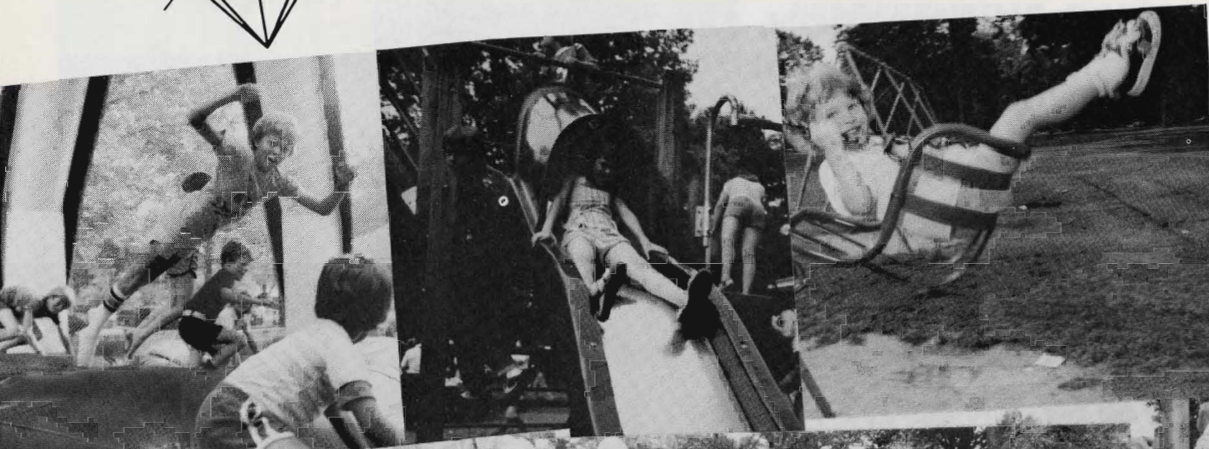


Diamond Jubilee 1982 Family Picnic

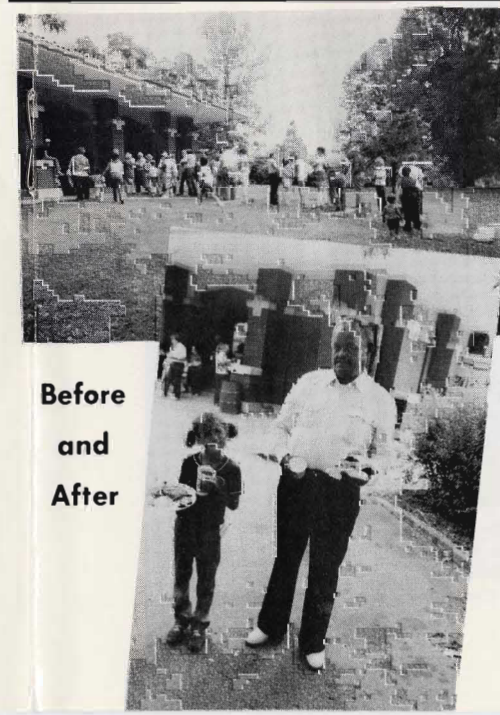
Smiling Faces

... In Different Places

1982



Served and Taste Tested
by Management of
Broadcast Division



Before
and
After

Grand Finale



Something for Everyone

EMERITUS

It was picnic reservation time so Hazel Kinder wrote also to let us know what she is doing in her retired years. Hazel lives alone.

Her volunteer work for the American Red Cross Blood Bank was mentioned first.

Hazel is a member of the Good Samaritan Home Auxiliary and an active member of Salem Church's Women's Guild and Singles Club. "Take a friend 88 years young shopping, to the doctor or whatever she has to do" sounds like an interesting pastime.

She belongs to two clubs, likes to play cards and attends card parties. In the evenings she likes to read, write letters or crochet.

The highlight of each year is her visit to Boulder Creek, California where her son, daughter-in-law and three grandchildren live. This year she will go in September because her grandson, Mark, is getting married on the 25th.

Hazel says she is gone a lot but home some of the time so we hope you are there when your issue of Intercom gets delivered.

THEY TRIED IT AND LIKED IT

Thirteen entries were received solving the puzzle, each unique in its own way. Lois Claiborne was first.

First with all correct answers were Phyllis Nutt and Chris Purdy (with a little help from friends). A combined effort in the Cal Lab resulted in the third entry received (one stumper held them up). Department 974 was fourth. Dave and Sandy Hershberger were fifth. (They got all but one on the first try.) Sixth entry was from Department 981, and Jackie Drebes' entry was received in the mail at the same time for a tie for sixth. Keith Snyder's entry (with help from Dane Jubera, Jerry Westberg and Nancy Quellhorst) was the seventh received. Denny Milfs was number eight. Ninth entry received was from the women in Department 783—Marla Archer, Lynn LeClair, Peg Donovan, Jeannie Frisch, Doris Garkie, Donna Glover, Chris Renard and Rosann Sprenger. All the way from Waterloo, Iowa, Stan Whitman's entry was tenth. George Stephenson, assisted by his daughter, Cindy, and her boyfriend, Tim Myers, entered his answers in eleventh place. Dixie Hardiek and Stu Musgrove entered twelfth, and Edna Howard's entry was thirteenth.

Contestants' Comments

"That was fun!!"

Here is a classic—"I thunk and I thunk till I can't thunk no more! Somebody take this crazy thing away!"

"...This puzzle appeared in the Readers Digest about a year and a half ago..."

"What a challenge! This has about

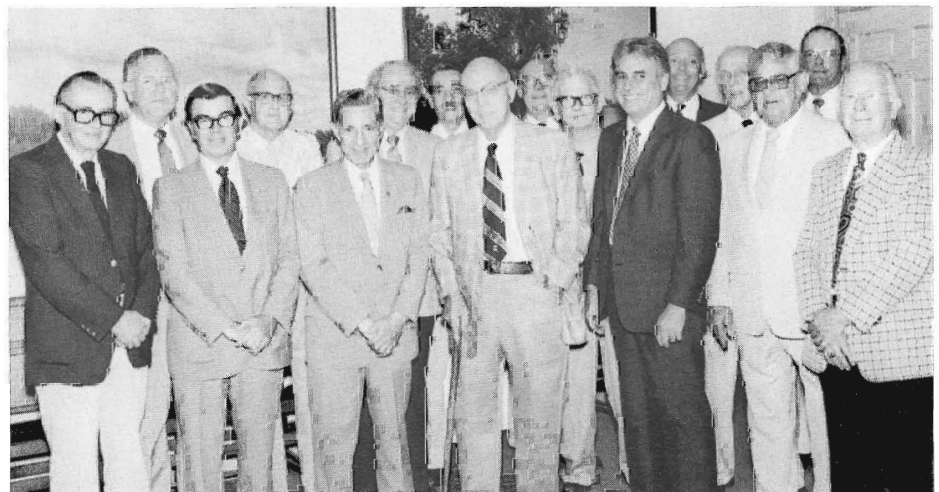
driven all of my friends and me to drink, but it has been a lot of fun."

Check Yourself to See How You Did.

- A. 26 = Letters of the Alphabet
- B. 7 = Wonders of the Ancient World
- C. 1001 = Arabian Nights
- D. 12 = Signs of the Zodiac
- E. 54 = Cards in a Deck (with the Jokers)
- F. 9 = Planets in the Solar System
- G. 88 = Piano Keys
- H. 13 = Stripes on the American Flag
- I. 32 = Degrees Fahrenheit at which Water Freezes
- J. 18 = Holes on the Golf Course
- K. 90 = Degrees in a Right Angle
- L. 200 = Dollars for Passing Go in Monopoly
- M. 8 = Sides on a Stop Sign
- N. 3 = Blind Mice (See How They Run)
- O. 4 = Quarts in a Gallon
- P. 24 = Hours in a Day
- Q. 1 = Wheel on a Unicycle
- R. 5 = Digits in a Zip Code
- S. 57 = Heintz Varieties
- T. 11 = Players on a Football Team
- U. 1000 = Words that a Picture is Worth
- V. 29 = Days in February in a Leap Year
- W. 64 = Squares on a Chessboard/Checkerboard
- X. 40 = Days and Nights of the Great Flood

PARKER GATES SURPRISED ON 75TH

It was a real jubilee as old friends gathered to surprise Parker Gates in a 75th birthday celebration on August 6. In the same year the company is observing its 60th anniversary, the appropriateness of a party for Mr. Gates took on a special meaning.

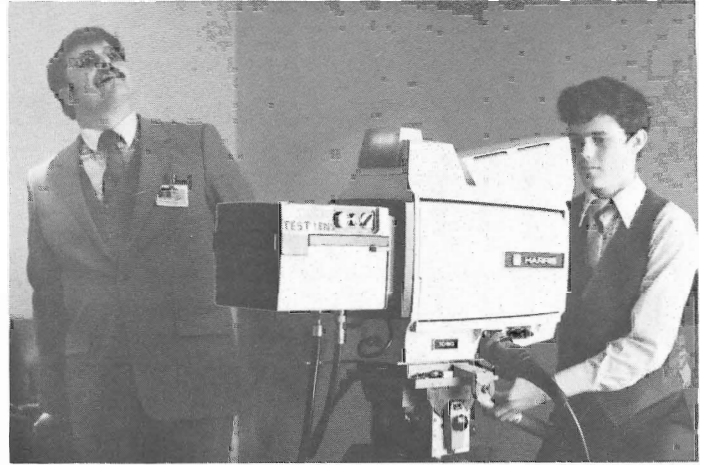


Enjoying the festivities of the day are: Front Row, left to right: Charles Barnum, Wally Kabrick, Joe Bonansinga, Parker Gates, Gene Whicker, Norbert (Nibs) Jochem, Francis Wentura. Back Row, left to right: Eugene Edwards, L. I. (Mac) McEwen, Howard Young, Jack Eliason, John Beckgerd, Joe Havermale, Tom Oakley, Paul Tourney, Bob Fluent.

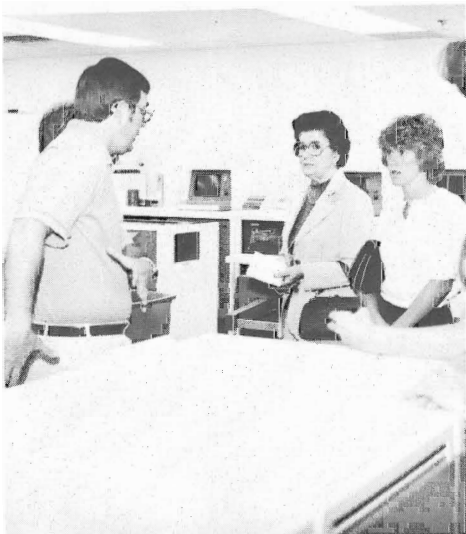
60th Anniversary Celebrated With Open House In Quincy



Tours in Building 9 (Customer Service) ran from 12:45 until 4:45. Visitors left knowing more about the things that go on there and amazed at the variety of functions carried out in one building, especially around-the-clock.



In the Manufacturing Building, the camera demonstration allowed all visitors to see themselves on TV as Steve Cane ably discussed the TC-80 in operation.

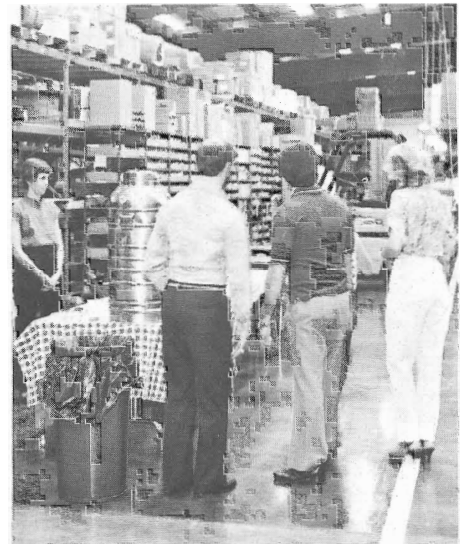


Paul Buckman hosting visitors to the Computer Room.

Approximately 650 people turned out for the Division's Open House on May 23, 1982. It was a celebration by Broadcast Division employees, families and friends of the Company's 60th year.

The special Open-House Committee, formed in March, carried out the planning and implementation of another successful Harris event. Committee members were Pat Bybee, Warren Brush, Karen Lutze, Bob Giuliani, Jack Moulder, Roger Newell, Bob Buck, Jack O'Dear, Rolland Looper, Eric Jacobson, Terry Clark and Bonnie Dudding.

Special "Thanks" were extended from Mr. Whicker to all division personnel for the work involved to hold Open House and behind-the-scenes overall building decor.



Many visited the Stockroom for guided tours through stock, shipping and traffic.



In the Printing Center, visitors watch and listen as the operation is explained.



Gates/Harris history display by Jack Moulder.

SERVICE AWARDS

30 YEARS



Marjorie Stone

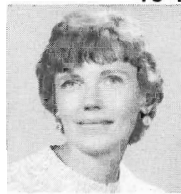


Virgil Krull

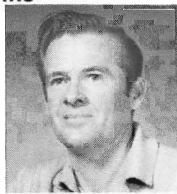


Richard Wellman

15 YEARS



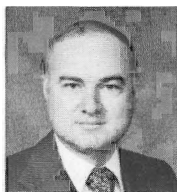
Betty McCarl



Thomas Day



Judith Gillette



Andrew Juettner

5 YEARS

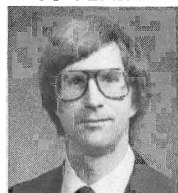
Robert Whelan
William Schodroski
Johnita Bangert
Cheryl Green
Virginia Laaker
Thomas Rosback
Donna Glover
Ron Kusinski
Ron Frillman
David Daniels
Jan Albert
Jan Briscoe
Charles Mayes
Kim Rosevold
John Newlander
Louie Powers
Pauline Childress
Alice Brown

Penny White
Judith Etter
Linda Harvey
Karl Jesness
Sharon Minor

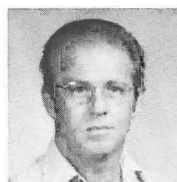
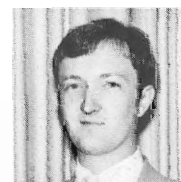
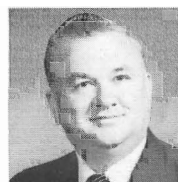
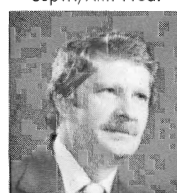
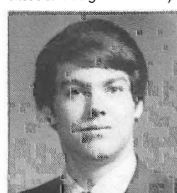
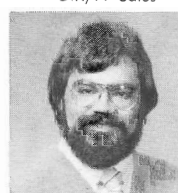
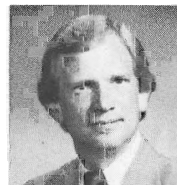
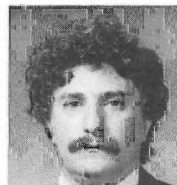
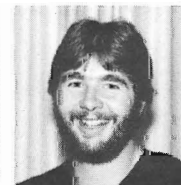
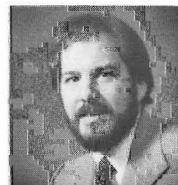
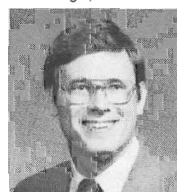
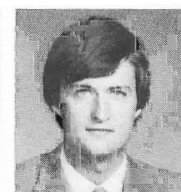
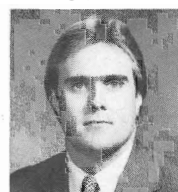
1 YEAR

David Danielsons
Cliff Greifer
Rex Niekamp
Jay Humphrey
Jeffrey Fortner
Gary Gray
Nancy Kunzeman
Neville Cumming

10 YEARS



Chuck Smiley

WELCOME
NEW
EMPLOYEESPat Reagan
SecretaryJames W. Hall
Mgr. Employee RelationsHarold Lee Smith
Supvr./Ant. Prod.James J. Powell
Assoc. Program AnalystDavid Strahorn
Broadcast Sales SpecialistJerry Smith
Dir./TV SalesSteven Brant
Dist. Mgr./TV SalesWilliam Smith
EngineerLeslie Russell
Customer Service Spec.Harry Tompkins
Sr. EngineerGary Thursby
Dist. Mgr./Radio SalesJose Elman
Area Sales ManagerTerry Crowell
Detail DraftsmanDavid Brack
Dist. Mgr./Video SalesCarl Proescholdt
Industrial EngineerAurelio Morrello
Sr. Int. Sales Admin.Bruce Dullea
Industrial EngineerScott McFarland
Sr. Engineer

HARRIS CORPORATION

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