

# The Center Scene



Members of the EROS Data Center Employees Association and the EROS Vanpooling Association pooled their time and talents and appropriately decorated one of the vans for the St. Patrick's Day parade. Wearing a bright green typical Irish top hat and smoking a corn-cob pipe, EROS O'Van Pool caught the attention of the parade viewers and the Argus Leader reporter who covered the event. A committee of volunteers from both organizations made the decorations and gathered at the home of Dave Hastings, EDCEA president, to put them on the van. About 15 EDC employees, family members, and friends rode in the van and intermittently disboarded to brave the elements and walk along the parade route handing out candy to youngsters. Participants reported that they had a very good time and that this may become an annual event, perhaps with all seven vans gaily decorated as a show of community spirit from the Mc EROS neighborhood.

## VANPOOL ASSOCIATION NOMINATED FOR AWARD

The South Eastern Council of Governments (SECOG) has nominated the EROS Vanpooling Association for the 1984 Federal Highway Administration Ride-sharing Award.

In support of the nomination, SECOG wrote a lengthy document which included, "To date, after more than four years of operation, the vans have travelled more than 347,000 miles (4,000,000 passenger miles), while using only 35,100 gallons of gasoline. This has resulted in a savings of more than 475,00 gallons of gas by displacing over 50 private vehicles and operating at a remarkable rate of 115 passenger miles per gallon."

The most recent activity of the Association is the ordering of four new 15-passenger vans to replace the first four purchased in November 1979. The Association is advertising the four older vans, which will be sold on bids with the revenue received going toward the purchase of the replacements.

The EROS Vanpooling Association was formally organized by EROS employees and chartered as a non-profit corporation on October 26, 1979. It is believed to be the only vanpooling association in the United States in which the vans are owned and operated solely by employees.

## CAFETERIA GALLERY

Jim Sturdevant

The artistic arm of the EDCEA, the Arts Appreciation Committee, has been providing cafeteria diners with views of local and regional talent for more than a year. Formed in January 1983, the group's primary purpose is to encourage professional and amateur artists to display their works at the Data Center.

The standard forum is a four-week display of an individual artist's work or a collection of works of a single theme contributed by several artists. The

## EMPLOYEES VIEW LIVE LAUNCH

EROS employees and local media representatives were able to watch the spectacular, successful launch of Landsat 5 on live television due to the technical expertise, very hard work, and cooperation of NOAA's Howard Warriner; EDC's Don Becker, Paul Buell, Ed Constant, and Alan Engelbrecht; RCA's Bob Discher, and Jerry Kennison, through whom we obtained the additional dish antenna.

The live coverage was video-taped and provided to the local television stations. Landsat 5 and the EROS Data Center received good coverage on the evening news presentations on March 1.

The Technical Information Office kept the Center informed of early activities by transcribing the NASA Hotline messages. The final Hotline report on March 16 indicated that Landsat 5 was performing very well with all systems working as planned.

cafeteria was selected as the location of the gallery because it is the social focal point for employees and visitors, giving the art work maximum visibility.

Artists whose works have been displayed include Chad Mohr, pen and ink; Jim Sturdevant, mixed media; Lucy Krueger, oils; Richard Viksna, oils; Nancy Kentfield, water colors; Lee McManus, mixed media; Lou Mogck, oils; Dennis Pearson, photography; Dorothy Hocking, oils; Mary Groth, mixed media; artists from Dell Rapids Paint and Palette Club, mixed media, and regional artists from Full Circle Gallery, mixed media. An EDC employees' photography show, an exhibit of historical USGS photographs, and a display of photographs taken at the 10th Anniversary celebration also were gallery shows this year.

Major activities of the Arts Appreciation Committee are searching for artists interested in displaying their works, assisting with setting up displays, and raising money to pay for insurance costs. The yearly premium of \$125.00 for \$5,000 coverage per show is the committee's only expense. This is raised through raffles, bake sales, direct contributions, and other fund-raising activities.

## UP FRONT

An answer to the long-standing question of the future of US satellite remote sensing may come early this summer. I know all EDC employees are concerned over this matter and it's been a difficult period for you as you've gone about the daily business while hearing conflicting rumors and news reports on Landsat commercialization and the future of the Center.

First, let me remind you that Landsat data processing is only one of three major activities at the Center and the other two—(1) research, development and application of remote-sensing and digital spatial data, including the development of computerized information systems, and (2) acquisition, archiving, and distribution of over 5,000,000 aircraft photos—would not go away in the event that Landsat processing tasks were assumed by private industry outside of the Data Center. What follows is a brief overview of the Landsat issue to date.

The Administration, through the Department of Commerce, issued an official request on January 3, 1984 for industry proposals on assuming responsibility for the Landsat system. Proposals received and due in by March 19 will now be evaluated by a Source Evaluation Board on which I serve as a Department of the Interior representative. Around May 1, this board will forward its recommendations to the Secretary of Commerce who, in turn, will recommend a decision to the White House. Meanwhile, Congress has been holding hearings on proposed Landsat legislation. Eventually, Administration policy and final legislation will come together on a course of action for America's civil land-remote sensing satellite systems. All current activities point toward a resolution of this issue in the near future.

I am in the process of discussing with Interior, Geological Survey, and Division officials alternate responsibilities for the Center, should Landsat processing tasks go elsewhere. Items such as satellite image mapping and development of geographic information systems are among those being considered for increased emphasis.

I have put in a good deal of time and effort over the past two years to ensure that the EDC mission is carried forward in the best interests of the Geological Survey and the country and whatever the outcome of the Landsat question, we look forward to getting on with the jobs we are called upon to do. I'll keep you posted.

**Allen H. Watkins**

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Participants in the EDC Speechcraft Workshop are from left, standing, Randy Sunne, John Cowser, and Ron Kanengieter. Seated are Jim Sturdevant, Diane Krell, Larry Batten, and Bruce Molnia.

## SPEECHCRAFT WORKSHOP HELD AT EDC

**K.C. Wehde**

The EROS Data Center was the location for a recently completed Speechcraft Workshop hosted by members of the Marquette Toastmasters Club Number 509. Toastmaster **Donna Scholz** was Speechcraft Coordinator with the assistance of Toastmasters **Bob Haas** and **Emil Horvath**. Speechcraft is an intensive 8-week course which concentrates on the preparation and delivery of both extemporaneous and prepared speeches. Speechcraft participants included: **Ron Kanengieter** and **Randy Sunne**, Computer Services; **Diane Krell**, Data Management; **Bruce Molnia**, Data Production; **Larry Batten** and **Jim Sturdevant**, Technique Development and Applications; and **John Cowser**, Technical Information. A traveling trophy is presented each week to the outstanding speaker. At the close of the Speechcraft program this trophy is awarded on a permanent basis to the outstanding Speechcraft participant overall.

During the Workshop participants began familiarization with the responsibilities of and learning techniques used by Toastmasters. Some of these included:

- (1) Program Coordinator - This individual is responsible for the smooth flow of the meeting from beginning to conclusion.
- (2) Table Topics Coordinator - This individual chooses topics for the Table Topics or extemporaneous speaking portion of the meeting.
- (3) Timer - This individual keeps a record of the length of introductions, table topics, prepared

speeches, and evaluations. Each of the above are to be within strict time limitations.

- (4) The 'Ah' Counter - This individual listens for 'ahs', 'ums,' or other speech idioms which are not conducive to good speaking. An object such as a marble is dropped into a metal can each time an 'ah' or 'um' is heard. This has proven to be a very effective way to assist speakers with recognizing the existence of this problem.

All of these individuals play an important part in the Toastmasters Speechcraft program.

Each Speechcraft participant works closely with an advisor and prepares speeches according to the guidelines set in the Speechcrafter's Handbook. This Handbook is designed so that each completed unit builds upon the next unit in the series. Therefore, the Speechcrafters have an opportunity to reinforce previously studied materials. Units include: (1) The Ice Breaker, (2) Be In Earnest, (3) Introduce A Speaker, (4) Organize Your Speech, (5) Constructing Your Speech, (6) Show What You Mean, and (7) Using Visuals. The Speechcrafters are also given the opportunity to give oral evaluations.

The Speechcraft Workshop provides speakers with a platform for a variety of interesting and informative speeches. Steady improvement was experienced by all of the Speechcraft participants. All of us convey our heartiest congratulations to this session's winner of the trophy for the most outstanding speaker. Congratulations, **Jim Sturdevant**.

## EDC HEALTH AND SAFETY NEWS

Newsletter Reproduced Nationally

The USGS Administration Division's January 1984 Safety News reprinted EDC's Health, Hygiene & Safety newsletter, written and edited by Bonnie Griffith, R.N., O.H.N., and published by Ben Raiche, Safety Officer. Don Peterson, Chief Safety Officer, USGS, has indicated to Raiche that he plans to use the EDC newsletter as a regular part of the USGS Safety News.

### Safety Course Series Initiated

Fifteen EDC employees attended a lecture course on Government Driver Awareness conducted by Rodney George of the Denver office of the General Services Administration (GSA). Subjects covered included accident liability, tort claims, and how to protect the individual driver and the government agency from being cheated when using credit cards. This was the first in a series of planned courses which will include Defensive Driving, a National Safety Council accredited course. Ben Raiche, Bonnie Griffith, Paul Lindquist, Gerry Summa, John Davis, Don Becker, Kris Machmiller, Kenneth Johnson, David Dravland, Terry Tronson, Dwaine Bogenhagen, Jeff Martens, Steve Bonte, Brad Maschino, and Larry White attended the course.

## EDCEA REPORT

Judy Collins

Congratulations and good luck to the new EDCEA officers: Dave Hastings, President; Irene DeNeui, Vice President; Juanita Roland, Treasurer; and Dawne Wold, Secretary. The Officers want to serve you well and need your suggestions, encouragement, and support.

The retiring officers, to show their appreciation to EDC employees for their support, have purchased several art posters which will be framed and placed on permanent display in the cafeteria. (This is in addition to the Arts Committee Gallery which will continue to feature different artists' works on a monthly basis.)

Watch for news of an EDCEA raffle for season tickets and individual performance tickets to Community Concerts.

Prices of maps published by USGS were increased about 10 percent this year. The most popular topographic maps, used by scientists, as well as outdoor enthusiasts, rose from \$2 to \$2.25, according to a recent USGS news release.

A call for papers has been distributed for Pecora IX which will be held at the Sioux Falls Howard Johnson Convention Center October 2-4 and will focus on "Spatial Information Technologies for Remote Sensing Today and Tomorrow."

## HOSPITALITY PROGRAM FOR INTERNATIONAL STUDENTS

K.C. Wehde

The Training and Assistance Section of the Technique Development and Applications Branch coordinates a variety of workshops hosted by the EROS Data Center. Included in this series of workshops are two International Workshops in Remote Sensing. Scientists from every part of the world come to EDC to participate in these 5-week courses which cover information concerning specific scientific disciplines as well as the basics of remotely sensed data.

In addition to the educational experience provided by the Workshop, the attendees are given the opportunity to enjoy American hospitality. One activity, viewed by many of the participants as a social highlight of their stay in this country, is the evening of International Dinners. This event is coordinated by Bill Draeger with the assistance of Becky Foster and Terri Moulton.

A list of volunteer hosts and hostesses is the basis for the mailing of questionnaires after a date has been selected for the International Dinners. This questionnaire is a means of keeping the list of prospective hosts and hostesses current. Individuals from Sioux Falls and the surrounding area are queried as to hosting from one to as many as four or more International students in their home for an evening. The initial inquiries include: (1) the availability to host on a given date, (2) the number of students the host wishes to entertain, (3) the preference of nationality if any, and (4) any comments the host may wish to make concerning the International Dinners. The students also fill out questionnaires, and those who wish to participate in the Dinners list any food and drink restrictions they may have depending upon their religious or cultural background. Responses from these questionnaires are reviewed and the international students are paired with host families. It is at this point that the hosts receive information about their prospective visitors, which includes any food and drink restrictions the students may have listed that may assist the hosts in the preparation of the evening meal. Final transportation and dinner arrangements are coordinated. The students are given notification of the name of their host families and travel arrangements. It is the responsibility of the hosts to provide transportation to and from their home. From the positive comments that have been received, both hosts and students alike enjoy making new acquaintances, whether it be over a simple meal or an elaborate

dinner.

This event is an opportunity for International students to enjoy an evening in an American home and is an opportunity for an American family to learn about different countries and cultures as well. Those who are interested in becoming involved in this biannual event should notify Bill Draeger at Extension 114.



### IN MEMORIAM: WILLIS JOHNSON

Employees of the EROS Data Center were saddened by the death of Willis Johnson on Sunday morning, March 11. He was stricken while at work at the Guard Desk. Except for a short period, he had been employed at EROS since 1973. Willy always had a smile and a friendly word for everyone and will be greatly missed. His friends and associates extend sincere sympathy to his family.

From the Editor:

Government agencies are frequently criticized for the "alphabet soup" used in conversations and publications. To be sure, the acronym list grows and grows. However, lengthy government reports would be even longer if the name of each program or project were written out each time it was mentioned. Acronyms do serve a useful purpose—IF you know what they mean. Here at the DOI's USGS's NMD's EDC we hear and see such combinations of letters as FMLIS, RIPS, MOSS, AMRAP, IMRD, MAPPS, CUSMAP, not to mention the more familiar NASA, NOAA, USDA, NCIC, etc. In order that all of EDC knows what some of our colleagues are talking about when they speak in ABC language, this issue of *The Center Scene* carries an article on CUSMAP, or Conterminous United States Mineral Appraisal Program and subsequent issues will explain some other acronym-named projects and programs in which EDC is involved.

# EMPLOYEE NEWS

## WELCOME ABOARD

Lawrence "Bud" Youngren is the new Assistant Production Manager for NOAA at EDC. A Sioux Falls native, he has traveled over much of the world since he attended Sioux Falls and Augustana Colleges here. He has been a pilot since 1947 and has flown over 10,000 hours, many during cloud seeding programs throughout the United States, in Central America, Europe and Africa. His last overseas assignment was a rain increase project in Libya for Col. Khadafy's regime until he was ordered home by the current administration in December 1981. Bud received degrees in geography and climatology from California State University and in meteorology from Iowa State University. He also attended the South Dakota School of Mines and Technology and was a research test pilot and climatologist for a thunderstorm research program while there. Before joining NOAA and EDC he was an Aviation Advisory Meteorologist assigned by NOAA National Weather Service to the Federal Aviation Administration's Air Route Traffic Control Center at Farmington, Minnesota. His interests include amateur photography and he is a World War II history buff and a licensed real estate salesman. He is writing a book about his flying experiences. Bud says that running into old friends and remaking acquaintances has been one of the best things about coming back to Sioux Falls.

Doug Hollaren is a recent employee in Computer Services Branch, Software Development. He came to EDC from Microsoft International in Sioux Falls where he was employed for two years following his graduation from Southwest State University in Marshall, Minnesota. His home town is Pipestone and his current home is in Brandon. Doug says that his main interests are out-of-doors activities. He enjoys skiing, hiking, camping and water skiing.

## SPECIAL RECOGNITION AWARDS

Charles A. "Chuck" Nelson was honored for outstanding performance in coordinating and carrying out the testing and installation of Remote Information Processing Systems (RIPS) stations at numerous sites.

William J. "Bill" Redmond was honored for directing the Technical Information Section during the extensive period of additional work load required for the EDC 10th Anniversary and Pecora VIII Symposium.

Don M. Becker was honored for designing and directing the completion of the audiovisual complex in the Executive Conference Room.

Lee McManus was honored for his contribution to the graphics, displays and posters for the 10th Anniversary

and for his efforts in coordinating these activities with the Sioux Falls Development Foundation.

Nancy Holt was honored for her support to the total graphics efforts for the 10th Anniversary and Pecora VIII.

## SPECIAL ACHIEVEMENT AWARDS

Patricia "Pat" Johnson was recognized for her support to NOAA staff and the NCIC coordinator while continuing to carry out her usual overall duties.

Peter Mumford was recognized for his support to the Technique Development and Applications Branch in addition to his work in the Computer Software Group.

Sue Bankers was recognized for her contributions during the setting up of the Digital Spatial Data Technology Office and the Technical Information Office.

## RON BECK NAMED UNITED WAY OUTSTANDING UNIT CHAIRMAN

Ron Beck, Training and Assistance Section, Technique Development and Applications Branch, received the Outstanding Unit Award of the 1984 Sioux Falls Area United Way Campaign at an awards ceremony held February 14.

Bill Barlow, United Way Executive Chairman, said that the campaign has three unit chairmen, each with a number of divisions in his unit. Beck was named top unit chairman, indicating that the divisions in his unit showed the largest percent of increase in the campaign.

Technicolor Government Services employees were also honored with a gold plaque, the highest company award for employees' increased percent of giving.

Barlow said, "We really appreciate the support from EROS employees. It's so very important. The people at EROS have a real sense of community and feeling. As I said at the awards ceremony, 'We make a living by what we get; we make a life by what we give.' I think that expresses the feelings of EROS employees and it is most appreciated."

Total contributions from EROS employees during this past United Way/Combined Federal Campaign were over \$14,000. Contract operations at EDC give through the United Way; federal employees give through the Combined Federal Campaign.

## LEO BRACONNIER NAMED EROS' CIVIL SERVANT

Leo Braconnier is the EDC candidate for the Sioux Falls Federal Executive Association's 1984 Civil Servant of the Year award to be conferred at a banquet at the Elks Club on April 14.

Nominations for this honor are based on job performance, relationships with co-workers, self-development, and community activities.

Leo's community service nomination is based primarily on his extensive volunteer work counseling patients in the Sioux Valley Hospital heart surgery unit before and after surgery. Leo underwent coronary bypass surgery in 1980 and since that time has counseled more than 250 patients. His nomination reads, in part, "To him, helping scared patients and anguished families face life-saving but frightening heart surgery has become a crusade, and Leo is one real tough crusader."

## CUSMAP PROJECT PROVIDES APPRAISAL OF MINERAL POTENTIAL

K.C. Wehde

As the role of the EROS Data Center in the United States Geological Survey's (USGS) research and fact-finding mission has increased, EDC's involvement in the development of specific resource assessment projects has also increased.

A particularly interesting such project is the Conterminous United States Mineral Appraisal Program (CUSMAP).

The purpose of CUSMAP is to determine or assess mineral-resource potential for a given area for use by the Federal government in making land-management decisions or estimating available resources of specific mineral commodities within the United States.

A 1° (longitude) by 2° (latitude) quadrangle in southeastern Missouri is the setting of the USGS research project for CUSMAP.

The CUSMAP project involved a six-step method outlined in an article entitled "Mineral-Resource Appraisal of the Rolla 1° by 2° Quadrangle, Missouri: Manual Versus Digital (Computer-Assisted) Synthesis" by Walden P. Pratt, Kim-Marie Walker, Susan K. Jenson, Joseph R. Francica, David A. Hastings, and Charles M. Trautwein.

The application of this procedure resulted in an accurate appraisal of possible mineral deposits in the study area.

The Rolla quadrangle is used for this project because it includes most of the Southeast Missouri lead-zinc mining districts and part of the barite- and iron-ore mining areas. The base-metal ores found in these major mining districts are also in similar geologic formations throughout the midcontinent. Thus, Rolla proves to be a good testing ground for appraisal methods which may be used throughout the entire midcontinent for the evaluation of lead and zinc mineral resource potential.