

EROS DATA CENTER, SIOUX FALLS, SD

SDATA



EROS

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U.S. GEOLOGICAL SURVEY, NATIONAL MAPPING DIVISION

## In Memoriam Donald G. (Don) Moore



Don Moore

Tragedy shocked Data Center employees during the July 4 holiday when one of the EDC's world-renowned scientists lost his life. On the evening of Saturday, July 1, Donald G. (Don) Moore lost control of his motorcycle while traveling

north on Interstate 29 to his home in Brookings. He was 50.

Moore's legacy to the EDC lives through the \$20 million of research and technology transfer projects dealing primarily with agriculture, natural resources, remote sensing, and geographic information systems in developing nations. According to EDC Chief Don Lauer, Moore performed stellar work on projects dealing with early warnings of famine, populations at risk, and land evaluation and development. He recently started work on extending the EDC's technologies and

capabilities into Latin America. "Don Moore was one of the most interesting and innovative persons I've ever met and certainly one of the brightest minds I've ever worked with," said Lauer. "Don was one of my closest associates and a personal friend. His work at the Center was truly monumental."

Moore's work was not only monumental to EDC, but recognized both nationally and worldwide. One of many indications occurred in 1986 when Don was one of 35 scientists in the world to be invited by Pope John Paul II to Vatican City to discuss remote sensing and its impact on developing nations. In recognition of his outstanding service as a remote sensing scientist and manager with the U.S. Geological Survey, Moore received the Meritorious Service Award of the U.S. Department of the Interior in 1994 from Secretary Bruce Babbitt.

Before joining EROS in June 1981, Don Moore served as a soil scientist and head of education and training at the Remote Sensing Institute at SDSU from 1971 to 1977. He headed international training and served as assistant director of the institute the next 4 years.

During his first 6 years at EDC, Don served as chief of the Bioscience

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## EDC Emergency Response Staff Takes Charge

Thursday, August 17, 1995, 12:40 p.m. -- Byron Anderson, 74, was being driven home by his wife after lunch and a scheduled kidney dialysis treatment at a Sioux Falls hospital. A mile or two from their home, located near the EDC, Byron suddenly became ill. Remembering that the EROS Data Center had professional emergency response equipment and staff, Anderson's wife, Marian, turned from Minnehaha County Road 121 and accelerated toward the EDC.

Pulling up to EROS in a panic, Marian Anderson frantically yelled for help -- getting the attention of construction staff working on the Center's building addition

to house the EDC DAAC. The construction crew activated the Emergency Medical System (EMS) while

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## UP FRONT

As we move into the second half of 1995, I have often wished we

could have skipped many of the things that have happened in the first half of the year. First, we had to deal with the full-scale attack by the Congress on the U.S. Geological Survey, as our Nation's elected officials search for solutions to the budget deficit problem. Then, Congressman Robert Walker, Chairman of the House Science Committee, called for a complete review and severe reductions in funding of NASA's Mission to Planet Earth program. Then, we had to cope with the senseless bombing of the Federal Building in Oklahoma City. And now we are reeling from the untimely and tragic death of Don Moore.

It is going to take this Center a long time to recover from the loss of Don. It is especially difficult for me as I was the one who recruited Don and eventually convinced him and his wife Sandra that it would be a good career move for him to leave South Dakota State University and join the EROS team. Don contributed enormously to the well being and growth of the Center. As most of you already know, he conceived the idea of taking our technologies and capabilities and applying them to parts of the world

where they were most needed. He built the Center's International Program and led it to an extraordinary level of success. Most of the projects have occurred in Africa in some of the world's harshest environments. On occasion, I would ask Don what it was that drove him to seek and carry out these kinds of projects under such challenging and difficult circumstances. His response was always the same--to try to improve the quality of life for people who desperately needed our help and assistance. Don's leadership, vigor, enthusiasm and determination are going to be sorely missed. I am going to miss a respected colleague and close friend.

The bombing that occurred last April in Oklahoma City was a horrible, senseless attack on innocent people working in a government facility. I personally was pleased with the Center's immediate response to a call for financial support for the victims. As we move beyond this tragic event, we must all increase our awareness of potential problems in and around our Center. Be sure to report to the guards anything that might appear to be suspicious activity. Be patient with increased security measures and more routine identification checks for guest to the Center. Always carry your proper identification.

On another front, we need to brace ourselves for a monumental battle in the Congress over the fiscal year 1996 budget. The programs of nearly every government agency, including those of the USGS and

NASA, are "on the table." USGS Director Gordon Eaton continues to predict the USGS budget will be a "declining sum" in FY 1996 and the years to follow. Impacts on the Center, if there are any, will not be known until mid to late summer. I will keep you informed as soon as we have any confirmed information on budget impacts.

Needless to say, work at the Center continues. This has been a busy spring and summer, as we expected. Demand for our products and services continues to increase. Work on the declassification of the early intelligence data has begun under a flurry of national press attention. And, the construction of the new addition rolls on. Several office and work areas have been affected and more changes will become obvious in the coming months.

Given the grief and sadness with losing Don Moore, the horror of Oklahoma City, the relentless work demands, and the pressures and challenges facing us, I hope you can find some time to relax and enjoy a little vacation time with family and friends. You have worked hard and earned some restful time.

Donald T. Lauer

### *In Memoriam* Continued from page 1

Application Section. From October 1984 to August 1985, Moore worked as a scientist and adviser with the U.S. Geological Survey in Reston, VA. The past 8 years, he managed the EDC's International Projects section.

Moore grew up in Cambridge, IL in the mid 1940's and graduated from

Cambridge High School in 1962. He earned a bachelor's degree in agricultural education at Western Illinois University, received a fellowship at SDSU, and earned a doctorate in soil chemistry and agronomy at the Brookings campus.

While Don Moore was recognized worldwide as one of the leading authorities in his field, he never forgot the hardworking values and ethics of his humble farm background. He

was a modest perfectionist on the job and a devoted husband and father at home.

The Reverend Kenneth Moreland of First United Methodist Church in Brookings described Don Moore as a "risk-taker" during his eulogy. How ironic that Don Moore, the risk-taker, worked so long, for so many years, for so many people at-risk in developing nations. ☺

## Beck Receives USGS Public Service Award

**R**onald E. Beck was one of two employees honored by the United States Geological Survey's National Mapping Division for outstanding public service during a ceremony July 12th in Reston. Beck received a USGS Public Service Recognition Award for his dedication and expertise in EDC outreach and education activities. For more than 20 years of the EDC's 23-year history, Beck has been the primary source for information about the programs and activities of the Center when State, community leaders, the media, educators, and Federal public affairs officials call for information. In addition to his education and outreach efforts, Beck also leads the Combined Federal Campaign (CFC), and serves as an

Equal Employment Opportunity (EEO) Counselor.

Beck has served on the Southeast South Dakota CFC Executive Committee for several years, the past two as Chair. Beck's responsibility as Chair included 104 Federal offices (1,800 Federal employees) in a 10-county area. He helped to streamline the local CFC organization and train over 70 volunteer campaign coordinators. Under Beck's leadership, the campaign raised more than \$214,000 the last 2 years to meet a variety of basic human services needs.

In addition to Beck's involvement and leadership with the CFC, he

serves the USGS as an EEO Counselor. Beck has provided guidance to EDC managers and staff on EEO issues for 8 years. Beck's record prompted the USGS Central Region EEO Officer to cite him as one of the top EEO counselors in the region.



*Ronald E. Beck*

Beck's many years of dedicated service to the EDC include serving as Logistics Chair for many of the 12 USGS William T. Pecora symposia on remote sensing. A graduate of the University of South Dakota, Beck taught English (Literature) at the University of South Dakota and Briar Cliff College, Sioux City, Iowa, before joining EDC in 1973. ☉

## Bloodhounds Roll Up Their Sleeves

149 EDC Employees Have Donated 1,406 Units of Blood



**I**magine ten gallon milk jugs filled with human blood. For those of you who are saying, "Thanks for the visual!!!" I apologize. However, that's the quantity of blood donated by one of many EDC bloodhounds. No matter how you look at it, that's a lot of liquid. More important, it represents the gift of life for many people facing surgery, transfusions, and countless other life-threatening scenarios.

EROS Data Center employees have a long history of helping to meet the blood needs of patients in this area by donating to the Sioux Falls Regional Blood Bank. Thanks to the investigative efforts of **Carla Lynn** and the generosity of EDC employees, the Sioux Falls Regional Blood Bank has been sending its

Bloodmobile to the EDC since January 1992. The Bloodmobile makes donating convenient for EDC employees by traveling to the Center three times each year (January, May, and September). Since its initial visit, nearly 150 EDC staff have deposited over 1,400 pints of blood -- an average of 44 units each visit. These numbers add up to a larger, more significant amount -- 4,218 people in need of donations have been helped. While many EDC staff have raised their arms to volunteer, none have given more red and white corpuscles and platelets than **Ron Risty, Kelvin Tellinghuisen, and Arlys Johnson.**

Ron Risty has the most common blood type (O-Positive). The Blood Bank can't get enough of his blood

because it's "universal" -- meaning it can be mixed with any blood. Risty first donated blood in 1971 when his Grandmother entered the hospital to replace a hip. He didn't get into a regular donation routine until 1976. "I started out giving just a couple times a year," explained Risty, "but in the late 1970's the Blood Bank started calling me more regularly. So, now I donate every 2 months. I just find it's a painless way to help people who are in need."

Arlys Johnson (A-Positive) gave her first pint of blood in November of 1984. Since then she has donated 48 units. "I donate because I like to help people. It's such an easy way to give people a lifesaving gift they can't get anywhere else."

Kelvin Tellinghuisen (AB-Positive) started giving blood around 1980, when former EDC Logistics supervisor **Jim Qualm** was diagnosed with cancer. "Everyone in our shop (Design and Fabrication) plus Logistics started giving," says Tellinghuisen. "I don't know why I

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## In Command

### Buechler Appointed Wing Commander of South Dakota Civil Air Patrol

Imagine you and your family are vacationing in the Black Hills of South Dakota. It's a spectacular summer day. You and your hiking trail are surrounded by the fresh smell of Ponderosa Pine. A fabulous vacation is sidetracked when one of your children gets seriously ill or lost. Who can help you? How about the U.S. Air Force? Don't laugh. An official auxiliary of the U.S. Air Force could be the best outfit for this type of search or rescue mission.

The U.S. Civil Air Patrol (CAP) was established December 1, 1941 as America's involvement in World War II grew imminent. When aircraft were needed to patrol our nation's shores, a group of private volunteers, under the auspices of the Army Air Corp, flew whatever aircraft were available on antisubmarine patrols. While the highlight of the Civil Air Patrol's contribution to the war effort was sinking two German U-boats, most of its successes have occurred inland.

Once World War II ended, the CAP assumed other volunteer duties such as patrolling - for forest fires and participating in search and rescue missions for downed pilots. The Air Force, through the Civil Air Patrol, is responsible for all inland emergency services/search and rescue missions. The CAP is a voluntary group that performs many of the same duties that the U.S. Coast Guard does on water.

Therefore, in the case of an ill or lost child in a remote setting such as the Black Hills of South Dakota, the Civil Air Patrol could be summoned since it performs 80% of all inland search and rescue missions in the United States. The Civil Air Patrol is set up along military lines with wings in all 50 states. Each state is divided into squadrons with three primary functions: providing emergency

services, aerospace education, and a cadet program.

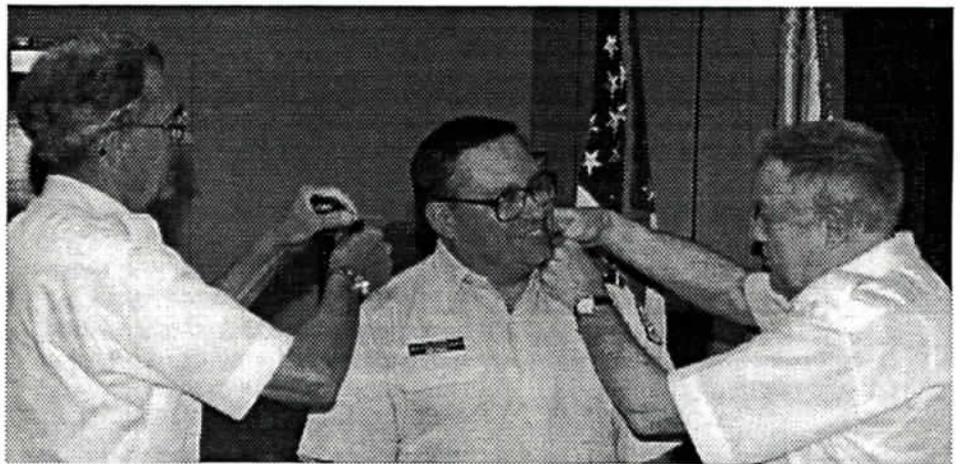
In 1964, a 14 year old boy from Aberdeen satisfied his curiosity for flight, the military, and search and rescue missions by becoming a Civil Air Patrol cadet. In July 1995, now a Data Technician at the EROS Data Center, **Rich Buechler** is wing commander of the South Dakota Civil Air Patrol. As wing commander of the South Dakota CAP, Buechler leads 412 Civil Air Patrol volunteers with access to 5 corporate-owned aircraft, 17 vans, one 4-wheel drive vehicle, 10 trailers, and a host of radio and computer equipment. Along with this equipment, Buechler and command receive orders from the Air Force Rescue and Recovery Command Center (AFRCC), Langley Air Force Base, Virginia, based on coordinates relayed from rescue satellites. "As Wing Commander, I get a phone call (from the AFRCC) saying we've got a downed aircraft at such and such latitude and longitude. Then I look at who I have available, make the appropriate calls, and start the rescue mission."

#### Emergency Services

Emergency services are probably the most visible Civil Air Patrol duties to the public. Emergency services may involve everything from finding a lost child in the Black Hills to sandbagging during floods; providing security for downed aircraft or disasters such as the bombing in Oklahoma City to traffic control and rescue work on Interstate 5 during the San Francisco earthquake. "Most missions are usually over in a day or two," explains Buechler. "However, last May we had an aircraft go down. It was flying from Wisconsin to western Montana or Idaho. It landed at Aberdeen (SD), took off the next morning...nothing. In eight days we covered 69,000 square miles before finding this downed aircraft." In emergency situations such as this, the Governor of South Dakota also may activate the CAP just as he or she might call in the National Guard.

#### Aerospace Education

While emergency services are the most recognizable activity the public associates with the Civil Air Patrol, the CAP also participates in two other functions. According to Buechler, the CAP educates the public on the uses of aerospace such as the rescue of downed aircraft or the space program. A good example is a high-altitude



Vice Commander of the Civil Air Patrol's North Central Region, Colonel Joseph McMillen (l) and North Central Region Commander, Colonel Nicholas Knutz (r), place shoulder boards on **Rich Buechler** during a South Dakota CAP wing commander induction ceremony in July.

balloon project the CAP is collaborating on with the EROS Data Center, South Dakota State University (Brookings) and the South Dakota School of Mines and Technology (Rapid City). "The reason we got involved is because the year before, when the balloon was launched, there were some problems and the balloon was lost and our job is finding lost things."

### Space Cadets

The CAP finds lost things and helps young people find a direction in life. The South Dakota wing of the Civil Air Patrol boasts 152 youth, ages 12 to 21, who are trained in first aid, CPR, bloodborne pathogen exposure, radio communication ground techniques, and direction finding. According to Buechler, if a teen is interested in attending college or a military service academy, the CAP gives opportunities. "There are college scholarships available for young people who want to attend college. If young people are particularly interested in the military, the CAP can let cadets see what the military is like, so there isn't such culture shock when the drill instructor

comes in and you're thinking, 'This is the wrong place for me!' The other aspect is the military does know the Civil Air Patrol. For example, if you apply to one of the military service academies, there is a box on the application worth a certain number of points that help the applicant."

According to Buechler, South Dakota Civil Air Patrol cadets toured NASA's Johnson Space Flight Center, Houston, Texas, August 18th. The U.S. Air Force sent a C-130 aircraft to Sioux Falls and Pierre to pick up members. During their visit, the South Dakota contingent met with NASA Astronaut, Col. Charles Gemar, originally from Scotland, South Dakota. The trip cost cadets nothing but food and souvenirs.

### Civil Air Patrol Impediments

The only compensation CAP volunteers receive is the satisfaction of doing a good job and helping other people. Volunteers on authorized search and rescue missions only are reimbursed for gas for their vehicles. They're on their own for food and lodging. "That's why we usually try to find a

gymnasium in a school or something like that," says Buechler. While unequitable compensation doesn't prevent the CAP from fulfilling its missions, time and distance are crucial in a state such as South Dakota. "When we're trying to save someone's life, we tend to forget about all that. Each case is different and we just try to learn from our mistakes and next time do something different."

Buechler's hitch as Wing Commander of the South Dakota Civil Air Patrol ends in 1998. At that time, he will have to find something different to do. "I'll always stay in the CAP because I've always worked with teens. That has always been the most important part to me."

The mission of the CAP has not changed in more than 50 years. The proof is in the lives and property it saves each year. If your 12 year old youngster is searching for something to rescue her or his future, suggest the Civil Air Patrol. It could be the air beneath their wings. ☺

## Employee News

### USGS

**Doug Spelhaug** - Doug is the new Program Analyst with the Program, Budget, and Administration Office. In this new position, Doug helps PBA staff and EDC managers with many financial analysis and accounting activities. Doug also prepares special reports needed by managers involving reimbursable agreements and income, workload, staffing, and financial trends. Spelhaug served as a Purchasing Agent with EDC's PBA Office since August 1994. He acquired much of his financial analysis knowledge,

skills, and abilities during his 25-year career in the U.S. Navy.

**Eric Miller** - Eric joins SAB as a government student working with Norman Bliss on the STATSGO database. He also will help Tom Loveland with the Wetland's Characterization Project. Miller holds a B.A. degree in Biology from Augustana College (1993). Before joining EDC, Eric worked for 1 year for the Walla Walla District Corps of Engineers on the Hanford Superfund Site. He now is working on a M.S. degree in Biological Sciences from SDSU.

**Jeff Danielson** - Jeff joins the EDC for 1 year, working fulltime during the summer and parttime during the fall, winter, and spring. He is a

graduate student in Geography at SDSU specializing in technical geography with an emphasis in GIS, remote sensing, and planning. Danielson grew up on a farm near Vermillion, SD and enjoys waterskiing, biking, and playing baseball.

**Russ Rykhus** - Russ also will be at the EDC the next 12 months, working fulltime this summer and parttime next fall, winter, and spring. Like Danielson, Rykhus is a graduate student in Geography at SDSU. His primary emphasis is applying GIS and remote sensing to solve environmental problems. As a native South Dakotan, Russ enjoys winter sports, particularly snowboarding.

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**John Di Rito** - John joins the Computer Services Branch to focus on procurement preparation for all types of ADP equipment and associated peripherals. John comes to the EDC from Denver, CO, where he worked as a supervisor in the Geologic Division Administration Department.

Di Rito has been with the U.S. Government for about 8 years. The majority of his experience comes in the area of administrative services (logistics, contract management, computer operations, procurement, and budget). He has experience as a licensed plumber, an Army logistics manager, a computer specialist involved in data base conversions, and a USGS contracting officer specializing in procurement processes from contracts with other Government agencies. John enjoys spending his leisure time watching Colorado Rockies baseball, playing tennis, and spending time with his wife (Sheri) and son (Michael, 16 months).

**Ken Dunn** - Ken joins the Science and Applications Branch as a Government student for the summer. For the remainder of the summer, Ken will be developing and refining database systems for SAB secretaries. Dunn is a senior at Dakota State University, Madison, SD, where he is majoring in Business Administration with an option in Computers and Management and Information Systems with an option in Management. In his spare time, Ken enjoys sports and helping his parents on the family farm near White Lake, SD.

Congratulations to **Tom Holm**, **David Terrell**, and **Susan Benjamin** for 10 years of service with the Federal Government.

The following employees have received performance awards:

- Program Development & Control Office - **Genevieve Austin**, **Carolyn Hieb**.
- Satellite Data Systems Office - **Lyndon Oleson**, **Alvinia Quarles**
- Computer Services Branch - **Stuart Doescher**

- Data Services Branch - **Rita Tornow**
- Science & Applications Branch - **Wayne Boncyk**, **Susan Benjamin**, **Thomas Loveland**, **Charles Wivell**, **Bruce Quirk**.

The following employees received "On-the-Spot" awards in July and August:

**Sue Jensen** - for leading EDC's efforts to assemble a global, 1-km resolution, digital elevation model and for her participation in the "Expert Consultation on Global Spatial Hydrologic Databases" workshop held in Washington, DC.

**Len Gaydos** - for representing NMD on the USGS team that was formed to address the environmental issues of the Mojave ecosystem and to assist the DOD sites in Mojave in the development of an ecosystem inventory and data bank cooperative.

**Arllys Johnson** - for her 14-week detail in PBA to provide coverage with the Commitment Control Register and reconciliation with the ETS while the Budget Officer was on detail in Reston.

**Mary Lou East** - for her significant efforts in the development of EDC's FY 1996 POD request. Her contributions included preparing over 90 viewgraphs and final versions of all attachments.

## HSTX

**Caroline Fenno** - Caroline became the Information Scientist supporting UNEP/GRID in May. Since July of 1993, Caroline has worked for both the USGS and HSTX at EDC supporting testing and recording Famine Early Warning System (FEWS) software uses. Caroline earned an Associate of Arts degree from Dakota State College and completed a Bachelor of Science degree in Management Information Systems from National College in May.

**Ron Lietzow** - The Science Department selected Ron for the

Senior Information Scientist to support the Famine Early Warning System (FEWS) project. No stranger to EDC or the Science Department, Ron has been at EDC since 1986. After starting as a scientist in the Geographic Information Sciences Section, he moved in 1989 to the Information System Management Technical Area. Lietzow holds a Bachelor of Science in Aeronautics and Engineering Mechanics from the University of Minnesota - Institute of Technology (1974) and a Master of Science degree in Forest Resources (Remote Sensing) from the University of Idaho (1985).

**Terry Sohl** - Terry has been selected for the scientist position in support of the regional component of the MRLC project. Terry joined EDC in November 1993 as a Digital Data Systems Analyst. Before coming to EDC, Sohl worked as a Digital Imagery Specialist for the Defense Intelligence Agency at Bollings AFB, Washington, D.C. Terry earned a B.S. degree in Meteorology/Climatology (1990) and a M.A. degree in Geography with an emphasis in Remote Sensing and Cartography (1993) from the University of Nebraska-Lincoln.

**Jennifer Schmidtbauer** - Jennifer joined the Information Services Department as a Senior Customer Service Representative. She earned a Bachelor of Arts degree in Geography at St. Cloud State (MN) University with an emphasis in GIS and Remote Sensing (1994). Jennifer and her husband, Mark, enjoy the outdoors and both have competed in marathons.

**Wayne Hanson** - Wayne comes to the EDC to serve as a Senior Satellite Data Systems Engineer. His primary duties include integrating the EDC and the DAAC into the EDC. Hanson, originally from Webster, SD, holds a B.S. in Electrical Engineering, University of Wyoming,

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and a M.S. in Electrical Engineering from the U.S. Air Force Institute of Technology. Prior to joining EDC, Hanson spent 5 years with GTE Federal Systems installing and testing the communication system for Falcon AFB, CO. Wayne's family includes his wife, Beverly, and children Kim (25), Tim (25), and Todd (27). Away from work Hanson enjoys model railroading.

**Jorge Izaurrealde** – Jorge joins the EDC for 6 months as a visiting scientist from Cordoba, Argentina. Jorge is helping the SAB, in collaboration with UNEP/GRID and EPA, to develop a land cover characteristics database for South America. Jorge is an Assistant Professor of Remote Sensing, Facultad de Ciencias Agronomicas, U.N.C.-Cordoba, Argentina. Izaurrealde earned a M.S. degree (1989) in Remote Sensing from the University of Alberta, Canada, with an agricultural engineering background from the Universidad Nacional de Cordoba (1977).

**Paul Olsen** – After three summers at EDC as a Cartographic Intern working with John Hutchinson, Paul returns to join the Science Department as an Information Scientist. Initially, Paul is creating a map for the Greater Horn of Africa home page and Central African GIS for FEWS. Olsen holds a B.S. degree in Cartography and GIS from the University of Wisconsin–Madison (1992). He is now working towards a M.S. in Cartography and GIS from the University of Wisconsin–Madison, where he plans to complete his thesis by December. Paul also served as a co-op student for WRD at the Cartographic and Publications Program in Madison, WI for 1.5 years.

**Tom Fontaine** – EDC welcomes Tom as a Visiting Scientist through the South Dakota Space Grant Consortium's Summer Faculty Research Program. He's working with Fred Waltz and Kris Verdin in

the SAB to apply recently developed digital elevation models with several hydrologic and contaminant-transport models. Fontaine is a professor in the Civil and Environmental Engineering Department at the South Dakota School of Mines and Technology in Rapid City. He holds a Ph.D., M.S., and B.S. in Civil and Environmental Engineering from the University of Wisconsin.

**Troy Wolbrink** – Troy joins EDC as a programmer/Analyst helping to develop and maintain software such as LAS. Troy holds a B.S. degree in Computer Science (1994) from Moorhead State University, MN. Before coming to EROS, Wolbrink taught math/physics at Mitchell Christian High School. Originally from Mitchell, Troy now lives in Sioux Falls.

**Mike Yahna** – Mike comes aboard as the new manager of the Software Engineering Department. He brings to EDC extensive experience in managing software development activities in diverse environments. He has worked in and managed all phases of the software engineering process, from definition and design through implementation, delivery and support, and continuation engineering. He has a strong background in systems testing and quality assurance methods and processes, and covers multiple computer platforms from mainframe to pc. Mike has a B.S. in Mathematics from North Dakota State University in Fargo. Before joining the EDC, Mike worked for Titan Corporation in Denver and Tampa, FL. Mike and his wife Suzie have four sons: Chris (24), Jason (21), Matt (19) and Andy (9).

**David Gilbertson** – David joins the International Program in SAB as a Space Grant Summer Faculty Fellow from SDSU. He is a landscape architect with an interest in sustainable design and development, environmental/regional planning,

and sustainable agriculture. He works with Jim Verdin to compile and develop data sets and begin biodiversity mapping and analysis in Madagascar, activities similar to the GAP Analysis effort in the U.S. David holds a Bachelor's degree in Liberal Arts from the University of the State of New York (1985), and a Master of Landscape Architecture from Cornell University (1993). Gilbertson's previous experience includes design work with both private and public firms in New York and California. David is an Assistant Professor in the Landscape Design Program of the Horticulture, Forestry, Landscape and Parks Department at SDSU where he developed an 18-station CAD and 10-station GIS studio/laboratory for students and faculty. David, his wife Anne, and their three children live in Brookings.

**Karen Zanter** – Karen transferred from the DLG-F Annex in Sioux Falls to the Information Systems Management area headed by Mike Madigan July 17. Karen was instrumental in building the first GLIS prototype in 1990. Karen's new position within the IMS will see her working with the DAAC IMS, GLIS enhancements, EDC Information Services, and ECIS. ☺

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*EDC Emergency  
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another construction worker sprinted over to the Customer Services Office, knocked on the window, and said that someone was having a heart attack.

**Sandy Spanton**, Customer Services, immediately called **Linda Heilman** in the Hughes STX office, who located EDC Emergency Response staff members **Carla Lynn**, Health Activities, **Wendell DeGeus**, Photo Lab, and **Mike Austad**, Photo Lab. Also, hearing that the Garretson, SD Ambulance was being dispatched to EROS on

his pager, **VESCO's Arlen Hansen** helped Lynn get first aid equipment. Hansen is a volunteer Emergency Medical Technician (EMT) with the Garretson, SD Fire Department. Austad is a former volunteer EMT with the Renner, SD Fire Department. DeGeus is a member of the Minnehaha County Civil Defense. Hansen and Lynn met Austad and DeGeus at Anderson's car and immediately began administering oxygen and checking his vital signs. "He was breathing and had a pulse the whole time," said Lynn, "but was very unresponsive. He never totally lost consciousness."

Anderson suffered some type of reaction or seizure instead of a heart attack. Who knows what would have happened if Anderson's wife and everyone involved at the EDC had not acted as prudently and rapidly as they did? "It's just a good feeling to know that you could help," Lynn said with a smile. "I was very confident in the people we had working on it here. It worked out really well." Lynn, Hansen, Austad, and DeGeus attended to Anderson until he was transported by the McKennan Careflight helicopter to Sioux Valley Hospital in Sioux Falls. ☺



Carla Lynn (middle) helps two unidentified Garretson fire and ambulance volunteers carry Byron Anderson to the McKennan Careflight helicopter.



The McKennan Careflight helicopter approaches the EDC behind a parked Garretson ambulance.

*Bloodhounds  
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continue to donate blood. I just do. Maybe it's the free cookie and pop!"

While Risty, Tellinghuisen, and Johnson are real bloodhounds, 146 other EDC staff roll up their sleeves as well. Although their donations don't measure up to those of Risty, Tellinghuisen, and Johnson, the donations of **Mark Erickson**, **Chuck Wentler**, and **Mike Neiers** are not pint-sized. Erickson and Wentler have donated 44 units; Neiers 43.

Every pint donated can mark the difference between loss or life. Donating blood gives donors the chance to make a difference. It also gives the donor information about his or her general health. The next scheduled visit of the Sioux Falls

Regional Bloodmobile to EROS is Thursday, September 14, 1995. Roll up your sleeves everyone! ☺

EDC's Top 10 Bloodhounds	
Name	Pints Donated*
1. Ron Risty	80
2. Kelvin Tellinghuisen	59
3. Arlys Johnson	45
4. Mark Erickson	44
5. Chuck Wentler	44
6. Mike Neiers	43
7. Bob Vandenoever	37
8. Vicki Turbak	36
9. Terry Pfannenstein	34
10. Mike Austad	32

\* Number of units of blood donated both at EDC and local hospitals.

EROSDATA is published quarterly for EDC employees. The success of this publication depends on your input. EROSDATA coordinators welcome your comments and ideas for future issues.

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