



LARS · Purdue University · VOL. 1 · NO. 1 · December 19, 1975

Seasons Greetings

ITEMS OF INTEREST

- * Once again it's time for the social event of the year . . . the annual LARS Christmas Party.

Join in caroling with the hot new instrumental group composed of Jeanne Etheridge, Julie Hanover, Sue Schwingendorf, Shirley Davis & Bud Goodrick (on the bass recorder) . . . with the possible assistance by such LARSians as Phil Swain, Paul Spencer and whoever might like to tickle the ivories.

Play a hot game of cards while you're sneaking "horse doobers" off the snack tables and testing the punch. Come prepared and alert for Olympic tests of your skill and mental prowess.

You will be rewarded by guest appearances of Doug Morrison & Oscar Montgomery highlighting the evening with "Tales of Christmas." And, of course, SECRET SANTA!

DATE: Saturday, December 20, 1975
TIME: 7:00-11:00 PM
WHERE: 4-H Center A-frame
COST: \$1.00 per person
DRESS: casual

Prepared by the Laboratory for Applications of Remote Sensing for distribution at Purdue. Contact Susan Ferringer, SCAN LINES editor, to be placed on the mailing list (749-2052, ext. 273).

- * The Computer Operations schedule for the holidays is as follows:

up to 12:00 mid. 12/23-----normal schedule
12:00 mid. 12/23 to 8:00 AM 12/24-----down
8:00 AM to 6:00 PM 12/24-----up
6:00 PM 12/24 to 8:00 AM 12/26-----down
8:00 AM 12/26 to 6:00 PM 12/31-----normal schedule
6:00 PM 12/31 to 8:00 AM 1/2/76-----down
8:00 AM 1/2/76 on-----normal schedule

- * Congratulations to PAUL AND JOY SPENCER who were married on Nov. 29th and lucky enough to spend their honeymoon on a cruise to the Bahamas.
- * BEV STINE changed her name to MRS. GREG EDGELL on Nov. 15. Congratulations BEV AND GREG.

PERSONNEL CHANGES

- * BRUCE LUBE joins LARS as a graduate student in Education. Joining the Technology Transfer program in August he is presently working on a Forestry Application Simulation exercise with John Berkebile and Jim Russell.
- * PAT SHOEMAKER is the Flex II account clerk. She started August 25.
- * FRANK KIRSCHNER is at LARS on an AIP agreement with the Soil Conservation Service. His area of interest is soil survey and mapping under Dick Weismiller. His is a one year appointment, September 1975-September 1976.
- * DEBBIE SHAFER is Ecosystems' new secretary since September.
- * SALLY SUNDERMAN is Technology Transfer's new secretary since September.
- * JOANN TINKLE became the Minicourse typist in September.
- * CAROL KRUEL started as a LARS accounting clerk in Fred Plant's office in September.
- * SRINIVASA RAO (SRI) joined LARS as a EE post-doctorate appointment under Phil Swain in the Pattern Recognition area. He started in October.
- * MICHAEL KASER, graduate student in EE, began a 50% appointment in October. He is working with D. P. DeWitt in Measurements.

- * HARRY YOUNG joined LARS in October. For all pertinent information contact Bud Goodrick (not GOODYEAR!!)
- * PAULA PICKETT joined LARS October 1 as a Remote Sensing Data Analyst and Training Specialist trainee. She works 50% on the Spectral Strata project and 50% on Technology Transfer projects.
- * SUSAN FERRINGER was hired 1/2 time in November to provide graphic design and illustration services.
- * JANE BUCKLES joined LARS in mid-October. She serves as the Computer Facility Secretary and the back-up switch-board operator.
- * NANCY BAKER is the Lead Secretary for the Computer Facility and personal secretary to the Facility Manager. Nancy joined LARS in October.
- * STEPHEN VARDEMAN joins the faculty of Purdue University with a 1/2 time appointment in Statistics and 1/2 time as a Data Analyst for LARS in January.
- * MARILYN HIXSON joins LARS with a dual graduate appointment to Statistics and to LARS in Crop Inventory Systems Research. Her appointment begins in January.
- * LESLIE WILSON, Digital Display Technical Assistant, is terminating January 1, 1976. DONNA SCHOLZ is taking her place with the Digital Display.

VISITING SCIENTISTS

- * NAOTAKA OKI is visiting LARS from March 1975 to March 1976. He represents the Space International Affairs Division of the Research & Coordination Bureau, Science & Technology Agency. His sponsor is Byron Blair, working in Agronomy.
- * DON POST, Professor of Agriculture at Arizona State University, Tempe, Arizona, is on a one year sabbatical here for the academic year 1975-76 and is working with Dick Weismiller in the Earth Sciences Research Program. He attended the September Short Course to help in developing an undergraduate Remote Sensing course to be used at Purdue University. This course will also serve as the background for a similar course at Arizona State.

TRAVEL: SEMINARS AND ADDRESSES

- * J. B. Peterson traveled to the University of Vermont as a consultant to review their Plant Science Program on December 17, 18, 19.
- * Dick Weismiller was at Taylor University on November 24 to give an address to the Taylor Science Department on "Remote Sensing of Natural Resources."
- * M. F. Baumgardner traveled to Washington, D. C. from December 9-11. He presented:
A Congressional Science Seminar (sponsored by the American Association for the Advancement of Science) for 15 congressmen and senators and their aides. The subject was the "Implications of Satellite Survey and Monitoring for Food Production."

A seminar to the Science Attaches of foreign embassies in Washington, D.C. The subject was the "Applications of Space Technology in Development and Management of Natural Resources."

Another seminar to the officials of the Soil Conservation Service (USDA). The subject was "Remote Sensing--A New Tool for Soil Survey."

- * Phil Swain was in Houston, Texas, December 10-12 attending the 1975 IEEE Conference on Decision and Control.
- * Roger Hoffer was in Houston, Texas December 11-12 concerning SKYLAB.

VISITORS

- * The Data Processing students of Twin Lakes High School, Monticello, Indiana were here December 8 for a tour of LARS and a seminar presented by Bill Hockema on computer software and hardware.
- * Representatives of the American Vacuum Society were here December 9 for a meeting and tour with Silva, Wilson and Roberts.
- * Bob Barker, a member of the Technical Forestry Department of St. Regis Paper Company, Southern Division, Jacksonville, Florida visited December 4. He is working with Dick Mroczynski on a preliminary proposal to be entitled "The Forest Resource Inventory System." Funding is expected from NASA.

- * Drew Potter and Gary Graybell gave an SR&T presentation to Dr. Landgrebe and other staff members on December 8, 9.
- * Gerry Kenney, J. D. Derborne and Dwight Egbert were here to talk with the LARS staff involved in the 24-Channel Scanner Data Project. The group primarily involved in the project are Simmons, Biehl, Silva and Landgrebe. The researchers will begin analysis in January.
- * Charles Kilpack from Holcolm Institute at Butler University was here December 2.
- * Ray Sinclair from the Indiana Soil Conservation Service was here in consultation with Frank Kirschner on the Soils Project.
- * Ival Persinger, an Assistant State Soil Scientist from Missouri with SCS, was similarly here for the Soils and Land Use Monitoring Project. He visited from November 12-21.
- * Patrice Roux, visiting scientist from the Ecole des Mines de Paris was at LARS from December 1-4. Doug Morrison and Sue Schwingendorf sponsored him while learning the techniques of analyzing remotely sensed data using LARSYS. He analyzed an 800 col. x 1000 line area on the West Coast of France. He photographed his results on the digital display. Sue will have copies of the slides if anyone is interested.

COMING ATTRACTIONS

- * Dick Weismiller requests seminar topic suggestions for second semester.
- * A Central Indiana Chapter of the IEEE Computer Society is being organized by Phil Swain and others in the EE department. The meetings of this group should provide for interesting technical interchange related to all aspects of the design and application of computers (maxis, minis, micros, or whatever). Phil is looking for people who would be interested in helping him get this new chapter off to a good start. You don't need to be an IEEE or Computer Society member. Give him a call if you'd like to help.
- * After a quiet month due to the Short Courses' absence, Flex II will again be busily humming January 5-9. Reservations for the January Short Course indicate there will be 10-12 participants, possibly from as far away as Japan. LARS interaction with the participants is encouraged, as many participants will be wanting to talk with different members of the staff. And as in the past,

any LARS member is welcome to contact Doug Morrison about any of the people enrolled in the Short Course.

There will be an open seminar Thursday, January 8, 1976 within the Short Course. All LARS personnel are welcome as usual. The subject and speaker will be announced during the week of the Short Course.

The tentative list of participants include:

Donald Hay
NASA-Johnson Space Center
Houston, Texas

Olav Smistad
NASA-Johnson Space Center
Houston, Texas

Pierre Laframboise
James Bay Development Corp.
Montreal, Quebec

Sherwin Ruben
Goodyear Aerospace Corp.
Akron, Ohio

F. C. Quo
Lockheed Electronics Company
Houston, Texas

M. L. Bertrand
Houston, Texas

Vernyl Pederson
Department of Plant Pathology
North Dakota State University
Fargo, North Dakota

Reservations for the February, March, and April Short Courses are already coming in, although none of these courses are filled yet.

RECENT ACQUISITIONS IN THE LARS LIBRARY

- * A775 AN INTEGRATED STUDY OF EARTH RESOURCES IN THE STATE
C72 OF CALIFORNIA USING REMOTE SENSING TECHNIQUES.
74 May 1975. Annual Progress Report, Space Sciences
Laboratory, University of California, Berkeley.
Robert N. Colwell, Principal Investigator.

A 600-page report on work done at four campuses of the University of California under a NASA Grant dealing primarily with studies in water supply-and-demand; work in timber volume inventory and six "special studies" on a variety of subjects related to remote sensing are also included.

- * A090 QUARTERLY LITERATURE REVIEW OF THE REMOTE SENSING
T22 OF NATURAL RESOURCES. Fourth Quarter 1974; Second
Quarter 1975. Technology Application Center,
University of New Mexico, Albuquerque, New Mexico.

Abstracts of current remote sensing literature
arranged according to subject; includes author
and key work index.

- * Two Russian books, published in 1975, have been received
by the Library. These books contain remote sensing pictures
and imagery. They will be catalogued as soon as the titles
are translated and are available now.
- * If your bookshelves are getting crowded with remote sensing
literature that others might like to use, the Library would
gladly receive, catalogue, and shelve your contributions.
Contact Shirley Davis.