

12 Argonne-U of C teams receive grants

Twelve proposals by teams of researchers from Argonne and the University of Chicago will be funded during the first year of the new Argonne-University of Chicago Collaborative Grants Program.

The one-year grants were created to encourage joint initiatives by Argonne and University of Chicago researchers and to increase the interaction between the university and Argonne. The program provides funding for imaginative proposals which might not fall within the current framework of the standard granting agencies.

The competitive grants are open to all areas of mutual interest between the university and Argonne, and require a principal investigator from each institution. Grant applications can propose joint research, workshops, education or training projects.

Although a total of \$400,000 was reserved for the program's first year, the program was augmented with an extra \$120,000 due to the "very high quality of the proposals," said David Schramm, the university's vice president for research.

Proposals were evaluated by a committee appointed by the provost of the university and the laboratory director.

Proposals winning collaborative grants were:

■ "Solid-State NMR Conformational Analysis of Apolipoproteins at Lipophilic Interfaces." Principal investigators are Argonne's Robert E. Botto (CHM) and the university's David Lynn and Stephen Meredith.

■ "The Role of AM Fungal Diversity in Ecosystem Functioning and Plant Community Diversity." Principal investigators are Argonne's Michael Miller (ER) and the university's Ellen Simms.

■ "Theory of Unusual Metal-Insulator Transitions in Perovskite Manganese Oxides." Principal investigators are Argonne's Michael

Norman (MSD) and the university's Kathryn Levin.

■ "Atom Optics: Applications to Problems in Surface and Synchrotron Based Atomic Physics." Principal investigators are Argonne's Linda Young (PHY) and the university's Steven J. Sibener.

■ "Towards Understanding the Origin of Matter Formed in Stars and the Sources of Galactic Cosmic Rays." Principal investigators are Argonne's John Schiffer (PHY) and the university's John Simpson.

■ "Investigation of the Charge Ordered State in Rare-Earth Manganites." Principal investigators are Argonne's David Hinks (MSD) and the university's Thomas Rosenbaum.

■ "Intelligent Agents in Complex Simulated Worlds." Principal investigators are Argonne's Rick Stevens (MCS) and the university's R. James Firby.

■ "Electronic Interactions Through Fluids." Principal investigators are Argonne's John Miller (CHM) and the university's Philip Eaton.

■ "Mechanism of Oxygenic Photosynthesis in the Absence of PSI." Principal investigators are Argonne's Marion Thurnauer (CHM) and the university's Laurens J. Mets.

■ "Quantum Simulations: Development of DVR Representations, Applications to Bound and Resonance States and Development of Potential Surfaces." Principal investigators are Argonne's James Lyness (MCS), Stephen Gray (CHM) and Lawrence Harding (CHM) and the university's John Light.

■ "Electrostatic Interactions in Protein-DNA Recognition." Principal investigators are Argonne's Paul Bash (CMB) and the university's Michael Weiss.

■ "An Argonne/University of Chicago Resource Center for Computational Science." Principal investigators are Argonne's Ian Foster (MCS) and the university's Andrea Malagoli.



Meeting young minds

About 30 fifth graders from Wegner School in West Chicago visited Argonne March 11 for a tour of the lab's facilities. The tour, sponsored by Argonne's Women in Science and Technology program, focused on opportunities for women in math and science and included visits to the Advanced Photon Source observation deck and a photosynthesis experiment in the Center for Mechanistic Biology and Biotechnology. *Photo by Wes Agresta.*

In this issue

- Tickets available for next Arts at Argonne concert
- PFS employee helps avert a hazardous situation
- Tiny black holes could revolutionize industry

All employees to receive new badges; photo sessions under way

All Argonne employees will soon be carrying new badges that can be used throughout the U.S. Department of Energy complex.

"The new badges have been designed to a standard format mandated by DOE," said Security Manager Dave Metta. "They have a green background and a hologram with the word 'Energy' overlaid on the badge."

The new badges have the same information as the old ones, but also indicate clearance

SMILE! — Security Administration Manager Ed Mickulas has one of the first new badges at Argonne-East (Argonne-West employees got theirs about a month ago). Payroll number, and a bar code that operates the building access devices, is on the back. The background is green; the faintly visible, repeating word "Energy" running diagonally across the badge is a hologram.

level and affiliation, such as DOE employee or contractor. In addition, they can be used at any DOE facility, eliminating the need for visitor badges at DOE sites for cleared personnel, Metta said.

Employees may also notice a zero added to the beginning of the payroll number on each badge, to accommodate future administra-



Photo session schedule, and a historical look at 'badge numbers,' on page 2

tive needs (see related story on page 2).

Picture-taking sessions for the new badges will begin April 1 and continue in several buildings across Argonne-East throughout the month.

Picture-taking will not be limited to occupants of the building where each session takes place — employees can get their pictures taken at the location of their choice.

New badges will be distributed in May; the old badge must be turned in when receiving the new model.

Fast action averts damage from gas leak

A PFS employee helped avert what could have become a dangerous situation by reporting an unusual smell that turned out to be a large gas main leak.

Cynthia Smithberg was cleaning the trailers behind Argonne-East's Building 340 on Feb 23. Taking a load of trash to the outdoor waste bin, she noticed a "skunk oil" smell she couldn't



MAIN EVENT — Cynthia Smithberg (PFS) reported an unusual odor that turned out to be a large natural gas leak. The leaking pipe was outside these trailers near Building 340.

identify. "It definitely bothered me, smelling something like that but not knowing what it was," she said.

When she got to Building 301, she told Fire Inspector Frank Robinson (ESH-FD) about the smell. Robinson went to the trailer area to check it out but could not detect any trace of the odor, probably because of a strong breeze.

Robinson returned the next morning and surveyed the area with a hand-held gas detector. "It went right up to the top of the scale, which you rarely ever see it do," Robinson said. "I left pretty quickly."

He radioed a 911 call to the Argonne Fire Department. Response was especially fast — one minute — because Building 340 is only a hundred yards from the fire station.

The firefighters' detectors found "explosive" levels of gas on the east side of the building, near Meridian Road, according to the report.

The building was immediately evacuated and a utility foreman called in to shut off the gas supply.

The broken gas main was repaired within hours, restoring heat to the several buildings in the 300 and lodging areas.

A 50-year tradition: what's in a number?

England may have 007, better known as James Bond, but Argonne has 00001, better known as Walter H. Zinn, the father of peacetime nuclear energy.

The addition of a sixth digit to employee payroll ("badge") numbers is the first major change to a 50-year tradition at Argonne. The consecutive numbering system has been used to identify each employee for payroll, medical, library, and security purposes. A quick look at a badge is a good clue to how long an employee has worked at Argonne; however, this was not always the case.

"Payroll numbers used to be assigned by each division. Behind the number assigned to a division was the employee number, such as 15-3 or 15-300," said Bob Hewson (CMT), a former member of the Visitor Reception Center staff. "However, in 1952, Argonne division numbers were dropped and only a 5-digit employee number was used and tied in to the administrative system."

In 1987, the U.S. Department of Energy required the addition of another number to each badge to improve security control. This control number is at the top right side of each employee's badge.

Since payroll numbers are never reused, the current numbers are over the 49000 mark. Although Zinn's payroll number stands out,

Badge photo schedule

Employees with blue, pink or yellow badges, and temporary employees with wine-colored badges, will have their photos taken according to the schedule below. Employees must bring their old badge to the photo sessions.

Photo sessions for full-time employees will be held from 8 a.m. to noon; for temporary employees, 1 p.m. to 4 p.m.

Building	Location	Date
401	B-1100	April 1-2
200	L-174	April 3-4
203	Auditorium	April 8-9
212	A157	April 11-12
205	lobby	April 15-16
201	Lobby	April 17-18
362	Auditorium	April 22-23
900	Dining Rm. H41	April 24-25

here are a few other milestone numbers and names, and the year the badge was issued:

1000	Robert A. Hessler, 1946
10000	Branko Dokmanovic, 1961
20000	Porter W. Johnson, 1971
30000	Amelia P. Wright, 1979
40000	Daniel B. Lawson, 1989

— Rosemary Barrera

Argonne Running Club hosts 'April Fool's Run'

The Argonne Running Club will host an "April Fool's Run" on Monday, April 1.

The three-mile fun run and an accompanying walk are scheduled to start at noon at the

Argonne Pool.

Refreshments for all participants and surprise gifts for Argonne Running Club members will be available at the finish.



Tickets available for 'Philomusica'

Tickets are now available by mail for an upcoming concert by the New York Philomusica, sponsored by Arts at Argonne.

New York Philomusica will perform at 3 p.m. on Sunday, April 21, in the APS Conference Center Auditorium (Building 402). The ensemble specializes in "Harmoniemusik," written in the 18th and 19th centuries for combinations of wind instruments and contrabass. The group will perform works by Haydn, von Weber, Beethoven, Krommer and Mozart.

Tickets are \$15, and are available from Arts at Argonne, Building 203, Room R202. Include name, address and a check payable to Argonne National Laboratory.

Any remaining tickets will be sold at the door before the performance.

New sweatshirts sport 50th anniversary logo

Sweatshirts with Argonne's 50th anniversary logo are being offered for a short time by mail.

The sweatshirts are black, with a gold, metallic 50th anniversary logo, and are offered in adult sizes small, medium, large, XL and XXL.

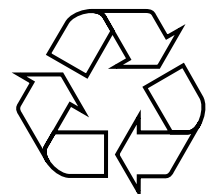
Each shirt costs \$15 and can be ordered by sending a check, payable to Argonne National Laboratory, to Angie McKay, OPA-201, before Friday, April 12. Include name, division, phone extension, size and quantity desired.

Sample shirts will be displayed in Argonne-East's Building 213 cafeteria the week of April 1.



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Seminars

Send seminar listings to Evie Fagan, Building 201, Room 2U-09 (OPA-201). Deadline is 5 p.m. Monday. Seminar listings *only* can be sent by E-mail to evie_fagan@qmgate.anl.gov.

Monday, April 1

Chemistry Division Monday Morning Seminar Series: **"Reflections on Chlorophyll and Photosynthesis Research in the Chemistry Division [50th Anniversary]"** by Joseph J. Katz, (CHM), 3:30 p.m., Bldg. 200 Auditorium.

Energy Systems Division Center for Transportation Research Seminar: **"Transportation Air Pollution and Motor Vehicle Emission Controls in China"** by Kebin He, Tsinghua University, Beijing, China. 11 a.m., Bldg. 362, Conference Room E356.

Tuesday, April 2

Spring 1996 ACCA Biology Seminar Series: **"Metabolism and Biotransformation of Xenobiotics"** by Clyde Wheeler, University of Illinois, Chicago. 7 p.m., Bldg. 223 Auditorium.

Materials Science Division Seminar: **"Synthesis and Characterization of Ferroelectric Thin Films and Heterostructures and Applications for Ferroelectric Memories"** by Orlando Auciello, Microelectronics Center of North Carolina (MCNC). 9:30 a.m., Bldg. 212, Conference Room B201.

Materials Science Division Seminar: **"Weak Links Versus Tunnel Junction for Unconventional Superconductors"** by Sungkit Yip, Northwestern University, Evanston, Ill. 4 p.m., Bldg. 223, Room L119.

Wednesday, April 3

Materials Science Division Seminar: **"Creep and Cavitation in Structural Ceramics"** by William Luecke, National Institute of Standards & Technology, Materials Science & Engineering Laboratory, Gaithersburg, Md. 11 a.m., Bldg. 212, Conference Room A157.

High Energy Physics Division Seminar: **"Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ Tev"** by Brenna Flaughner, Fermilab. 11 a.m., Building 362, Room F108.

Sigma Xi Seminar: **"Origami and the Design of the Universe"** by Robert J. Heaston. Noon, Bldg. 203, Room R150.

Thursday, April 4

Jointly Sponsored by: Chemical Technology Division & Materials Science Division Seminar: **"Microfabrications of Miniature Chemical Sensor Systems"** by Peter J. Hesketh, Department of Electrical Engineering and Computer Science, The University of Illinois, Chicago. 10:30 a.m., Bldg. 205, Y Auditorium.

High Energy Physics Division Theoretical Physics Seminar: **"Infrared Renormalisability of Finite Temperature QED"** by D. Indumathi, University of Dortmund, Germany. 2 p.m., Bldg. 362, Room F108.

Friday, April 5

Joint IPNS/MSD Seminar: **"Reliability of DMTA for the Study of Structure and Dynamics of Novel Phosphate Glasses and Glass-Polymer Blends"** by Joshua Otaigbe, Department of Materials Science and Engineering, Iowa State University, Ames. 11 a.m., Bldg. 223, Conference Room S105.

First Friday Forum: **"Computer Aided Diagnosis in Mammography"** by Carl Vyborny, Radiologist, LaGrange Memorial Hospital and Clinical Associate Professor of Radiology at the University of Chicago. Noon, Bldg. 401, Conference Room A1100.

Physics Colloquium: **"The Electrical Structure of Thunderstorms"** by W. David Rust, NOAA/National Severe Storms Laboratory, Norman, Okla. 11 a.m., Bldg. 203 Auditorium.

Materials Science Division Informal Seminar: **"Microstructure and Electronic Properties of MOCVD Grown Oxide Thin Films"** by James Ventrone, (MSD). 9:30 a.m., Bldg. 212, Room B201.

Monday, April 8

Chemistry Division Monday Morning Seminar Series: **"Materials Chemistry at Argonne [50th Anniversary]"** by Dieter M. Gruen, (CHM & MSD). 11 a.m., Bldg. 200 Auditorium.

Tuesday, April 9

Chemical Technology Division Seminar: **"The Microbiogeochemistry of Weathering Reactions"** by William J. Ullman, Associate Professor of Marine Studies, University of Delaware, Lewis. 10:30 a.m., Bldg. 205, Y-Auditorium.

Fran Clark to speak on project management

Certified Professional Secretary Fran Clark (OTD) will give a presentation on project management techniques from 11:40 a.m. to 12:20 p.m. Tuesday, April 9, in Argonne-East's Building 203 Auditorium.

Clark will speak on how project management techniques are used in both large and small projects. Through a simple exercise, participants will learn the difference between a project and a program; how a project team is put together; how costs are tracked and controlled; how a schedule is maintained; and how risk is managed.

Clark recently received a master's degree in project management from Keller Graduate School. She is executive assistant to laboratory Director Alan Schriesheim.

All interested individuals are invited to attend the presentation.

Computer users plan meeting on April 2

The next meeting of the Computer Users Group (CUG) will be held at 3 p.m. Tuesday, April 2 in Building 221, Room A216.

The tentative agenda includes:

- Update on operation of high volume-high speed printer replacement
- New microfiche service
- Deleting a user tape from the ECT-maintained library
- Access to the new ECT services accounting system data
- Update on administrative computing client software
- Charging for access to software available under the Andrews file system
- Asynchronous transfer mode switch status update
- Post office protocol server available on achilles
- FPROT for protection from macro viruses

The CUG usually meets at 3 p.m. on the first Tuesday of each month in Building 221, Conference Room A216. Meetings are open to all interested ANL and DOE employees.

Participants sought for Russian class

New participants are being sought for a Russian Language Class.

The class will be held Tuesdays and Thursdays for a total of ten weeks. Beginning classes will be held from 10 a.m. to 11:30 a.m.; intermediate classes, from 11:30 a.m. to 1 p.m. The location has not been chosen. The cost is \$200.

Employees interested in taking this class should call Betty Iwan at ext. 2-3410. For information about the class content, call instructor Lily Huberman at (708) 352-4389.

For late-breaking news and updates, call the Argonne



INFO-Line

Artificial black holes could power cars, reduce need for landfills

Argonne scientists have succeeded in creating a miniature black hole — a tiny object so dense light cannot escape its gravitational pull — in a feat that could bring revolutionary changes in the automotive, waste management and other industries.

The first artificial black hole was created by colliding theoretical particles called zen neutrinos and stark quarks at high energies in the new Argonne Rotating-Density Vector Accelerator with Riveted Quadrupoles (ARDVARQ). "With just a little fine-tuning, we'll be making hundreds of holes a day," said principal investigator A. Indeeper, "as soon as we replace some missing equipment in the target area."

Inexpensive, mass-produced black holes could lead to many revolutionary advancements:

■ Automobiles could become completely exhaust-free by suspending black holes from a

short pole on the hood. The immense gravity field would pull the "Holesmobile" forward. As a side benefit, most traffic accidents would require no emergency response or cleanup.

■ Landfills could become a thing of the past, as small black holes are mounted on garbage trucks. Indeeper tested the black hole's waste-disposal potential by feeding it inter-office memos.

"Unfortunately, we should have kept it on a stricter diet," Indeeper said. After about two weeks of daily feedings from his in-basket, the hole gained enough mass to break through the lab bench. The object instantly ate its way through the floor and presumably won't stop until it reaches the earth's core.

"I was telling a friend over in the Theoretical Geology Division about that, and he got quite excited," Indeeper said. "Almost hysterical, in fact."



THE HOLE THING — This color closeup photo of the first artificially created black hole shows many features, especially at center and upper left, in good agreement with current theories.

Classified Ads

MISCELLANEOUS

STEREO INTEGRATED AMPLIFIER — Yamaha A1000, 130 watts RMS per ch. @ 8 ohms, 340 watts dynamic power per ch. @ 3 ohms, 7 sets of inputs, including MM & MC phono, all the usual features plus many audiophile extras. \$375. Grace Lynch, (708) 968-6646.

MISCELLANEOUS — Electric golf cart, Kangaroo Caddie, Lil' Joey, good condition, includes battery charger & new battery. \$200 firm. Couch, 3-cushions, earth tones, good condition. \$50. Fred Onesto, (708) 985-6665.

BRACELET — 2 solid 22kt bangle bracelet, 21.4 grams. \$550. Nahed Guirguis, (708) 887-9526.

BABY FURNITURE — Baby crib & dresser, Bassett "Sugar Plumb", oak finish, mattress included, very good condition. \$160 each or both for \$300. Ron Kmak, (708) 301-1269.

PROM DRESS — Size 8, Jessica McClintock original, worn once. New \$325 - asking \$125. Kerri Schroeder, (708) 257-5647.

WEDDING DRESS — Ivory, off-the-shoulder dress w/attached train, professionally cleaned, picture available. New \$725 - asking \$400. Danielle Youngren, (708) 301-6159.

TODDLER BED — With side-rail, excellent condition, only used once, fits crib mattress, white. \$25. Danielle Youngren, (708) 301-6159.

MISCELLANEOUS — Tread mill. \$50. Ski machine. \$25. Exercise bike. \$25. All like new condition. Singer sewing machine. Mark Lale, (708) 687-6370.

COMPUTER EQUIPMENT — Apple II GS, 1.25 meg, two 5.25 drives, one 3.5 drive, Sony 14" colored monitor/TV combo. Apple Imagewriter I printer, software. Asking \$550. Cliff Pitts, (708) 430-9104.

WATERBED — Super single size, with six drawers and headboard, no mattress, like new. \$70 obo. Kenneth Belcher, (708) 690-4961, ask for Christina.

SWIMMING POOL — Doughboy, 16 foot, 9 years old, needs liner, everything else goes. \$150. Dick Combs, (708) 479-1696.

BAR STOOLS — Two high-backed bar stools, medium brown finished hardwood, natural color woven seats. \$25 each. Bill Luck, (847) 559-0590 evenings.

TRAVEL TRAILER — 1987 Real-Lite, 19 foot, fully self contained, gas-electric heating, refrig/freezer & hot water, AC/DC lighting, gas stove and oven, AC, full rollup awning, sleeps 6, extra large fresh and gray water capacities. \$2,900 negotiable. Jim Lang, (815) 634-2662.

MISCELLANEOUS — Electric stove, white, excellent condition, self cleaning: \$125; window air conditioners 110V, 10,000 and 5,000 BTU: \$100 and \$75; 2 portable dishwashers, white: \$75 and \$35; electric dryer: \$65. Jim Lang, (815) 634-2662.

WATERBED — Queen size with mirror and lighted headboard, on pedestal with drawers. \$100 obo. Colleen Tobolic, (815) 439-1604.

TRUCK CAP — For mini-truck. \$50. Judith Fisher, (708) 963-1430.

DINING ROOM SET — Glass and brass, 36" x 60" glass table, 4 cream cushion chairs, excellent condition. \$150. David Meyer, (708) 637-1765.

UTILITY TRAILER — Four by eight foot with sides. \$200. Dave Garbin (815) 727-0991.

MISCELLANEOUS — Franklin wood-burning stove: \$150; tubular baby bassinet, baby swing, changing table, baby carrier. Edgar Garza, (312) 737-7672

BICYCLE — 1994 specialized Crossroads, cross-type bike, 20" frame, 21-gear derailleur, rear rack, excellent condition. \$170. Michael B. J. Foster, (708) 848-1424.

PRINTER — Star NX-1001 multi-font, 9 pin dot matrix, almost new, new ribbon, original box. Make an offer. Jay Qiu (708) 325-4810.

SEGA GENESIS — Excellent condition, includes 2 controllers, 11 games and all TV attachments, price negotiable. Jon Rush, (708) 794-9636.

Classified ad request forms are available in stockrooms and at the Office of Public Affairs in Building 201. The old half-sheet forms are acceptable, but note that the deadline is incorrect. Deadline for classified ads is **5 p.m. Monday**.

Requests can be submitted by fax to ext. 2-5274, or by inter-office mail to Evie Fagan, Building 201, Room 2U-09 (OPA-201). A drop-off box is located at the Argonne News office, Building 201, room 2Q-02 and at 2U-09.

Request forms must be signed and must include a home phone number. Ads cannot be accepted by phone or electronic mail. Please limit ads to 25 words; longer ads may be edited. Housing listed for sale or rent is available without regard to race, creed, color or national origin.

AUTOMOBILES

1989 FORD — Probe GT, 64K miles, 5-speed turbo, garage kept, no winter driving. \$5,700. Cynthia Criss-Puszkiewicz, (219) 845-8582.

1986 CHEVROLET — Cavalier, 2-door coupe, AT, PS, PB, light blue, good work car, runs extremely well, 81K miles. \$950. Rich Nona, (708) 222-4751.

1987 DODGE — Omni, 4-door hatchback, red AT, full package, 89K miles. \$1,100. Tunch Kuzay, (708) 717-0735.

1982 MOTORHOME — Shasta, 23', 351 engine, 77K miles, sleeps 4, roof AC, awning, well kept. \$8,500. Sharon Juricic, (815) 727-7380.

1986 MUSTANG — LX convertible, 3.81 V-6, PS/PB/Auto, power top, complete new exhaust, battery and PS pump, stored last 4 winters, have maint. records, 107K miles, body nice, motor reliable. Just in time for summer. \$3,750 obo. Ron Kmak, (708) 301-1269.

1989 MUSTANG — LX sedan, 4 cyl, 5-speed, manual, PS, PB, PD, PW, new tires, battery, starter, 101K miles, well maintained. \$2,900 obo. Mark Surchik, (708) 687-6490.

1990 HONDA — Civic CRS Si, white, 5-speed, 85K miles, new clutch and exhaust, excellent condition. \$6,000. Donn Armstrong, (708) 852-3783.

1992 ISUZU — LS Rodeo, 4-door, V6, 5-speed, 4-wheel drive, PS, PB, AM/FM/cassette, luggage rack. \$13,000 obo. Janet Anderson, (815) 436-2630, ask for Jim.

1991 TOYOTA — Corolla, 4-door, AT, AC, PB, PS, AM/FM cassette, excellent condition, one owner, 60K miles. \$6,950 obo. Shahid Masood, (708) 985-1097.

1990 CHEVROLET — Camero, good condition, 85K miles, V8 engine, air, power door locks, anti-theft system. \$7,500 obo.

Judith Fisher, (708) 963-1430

MOTORCYCLE — 1993 Yamaha, FZR, 600 R, 6.3K original miles, purple, mint condition. \$5,000 obo. Kelly Warning, (708) 633-9131.

1994 GMC — Sierra Pick-up, burgundy, club cab, SLE trim, PW, PL, AC, towing package, (no hitch), 42K miles. \$18,000 obo. Judy Stickels, (815) 423-5039.

1989 LINCOLN — Mark VII, fully loaded including power moon roof, good condition, 102K miles, retails for \$8,950, asking \$6,000. Dave Garbin, (815) 727-0991.

1987 CHEVROLET — Monte Carlo LS, maroon inside and out, V8, all power, 69K miles, new battery, great condition. \$4,200. David Meyer, (708) 637-1765.

1990 CHEVROLET — Beretta, red, 63K miles, V6, AC, PS, PB, AM/FM, cruise, excellent condition, one owner. \$4,800. Klaus Woelk, (708) 325-5327.

MOTORCYCLE — 1982 Honda Goldwing Interstate, 32K miles, wineberry, a beauty in great condition. \$3,500. Stan Johnson, (708) 352-5691.

HOUSING

APARTMENT/SUBLET — Iroquois Club apartments, luxury 1 bedroom, indoor pool, hot tub, 24 hour security, move in May 15, no security deposit, no rent until June. \$750/month. Erika Shoemaker, (708) 717-9713.

APARTMENT/SUBLEASE — Justice, 20 mins from lab, very spacious, modern appliances & dishwasher, health and fitness club with indoor gym and storage included, furniture available. Sublease period May - Sept. 1996. \$600/month. André Masud, (708) 563-2366.

HOUSE/SHARE — Private bath, all utilities included, very close to the laboratory, immediate occupancy, female preferred. Rose Lee Pausche, (708) 739-0126.

CONDO/SALE — Hawaii timeshare condo, located on Kauai's fabulous North Shore, featuring the 18-hole Prince Course and the 27-hole Robert Trent Jones Jr. Makai Golf Course. Rated in the top 100 of over 2,600 Resort Condominiums, Inc. properties. 1400 sq. ft., 2 bedroom, 2 bath, full kitchen w/Jenn-Air range and large lanis. Sleeps six, Jacuzzi in master bath. Two outdoor pools and outdoor hot tub with waterfall. One week per year High Red floating time. \$9,900. Chuck Fellhauer, (708) 759-7575.

HOUSE/SALE — Plainfield, 3 bedroom ranch, 1.75 baths, newly remodeled kitchen & bath, hardwood floors and oak trim throughout, finished basement, 2.5 car heated detached garage, fenced in yard and much more. \$122,900. Dennis Hundley (815) 436-8189 after 5:30 p.m.

CONDO/RENT — Hinsdale Point, 1.5 miles from lab, large bedroom, bathroom and kitchen remodeled, dishwasher, semi-furnished, new carpet. \$650/month includes heat, gas, water, air conditioning. Klaus Woelk, (708) 325-5327.

WANTED

DOG CAGE — Wire dog cage for large dog, reasonable. Karen Taylor, (708) 257-5544.

TO BE GIVEN AWAY

PUPPIES — Four, Chow mix puppies, 8 weeks old. Rose Lorenz, (708) 301-7448.