

Argonne helps improve air quality for 2008 Beijing Olympics

ELEANOR TAYLOR

To improve the air quality of Beijing and ensure a healthy atmosphere for athletes and spectators at the 2008 Summer Olympics, Argonne has been working with leading institutions, including the U.S. Environmental Protection Agency, the University of Tennessee, Tsinghua University, Peking University and the Chinese Academy of Sciences.

The team has researched and modeled the local and regional contributors to Beijing's air quality, leading to a greater understanding of regional air quality management and development of new emission control strategies. The modeling study has been widely cited by Chinese policy makers, including the Beijing mayor, in requesting the government to implement unprecedented regional control programs to ensure that the air quality goals for 2008 will be met in Beijing.

This research was funded by the U.S. Environmental Protection Agency (EPA) to promote air quality in developing countries and provide a better understanding of regional air quality management and emission control strategies. The report, "Air quality during the 2008 Beijing Olympic Games," is available online.

"Air quality in Beijing in the summertime is dictated by meteorology and topography," said David Streets, a senior scientist in Argonne's Decision and Information Sciences Division. "Typically, temperatures are high, humidity is high, wind speeds are low, and the surrounding hills restrict venting of pollution. Thus, regional pollutants and ozone build up over several days until dispersed by wind or removed by rain.

"Our modeling suggests that emission sources far from Beijing exert a significant influence on Beijing's air quality," Streets said. "Typical industrial, coal-burning cities within several hundred kilometers of Beijing add to the local pollution. In these areas, emission controls on stationary sources and vehicles are not as stringent as in Beijing, and emissions are high. Each province's contribution varies dramatically from day to day, depending on wind direction and other meteorological factors.

"The Olympic Games are of paramount importance to China," he said, "and great steps have already been taken to ensure success."

"The United States is diligently working with cities like Beijing to improve environmental controls and reduce emissions in the face of rapid economic development," said Steve Page, director of EPA's Office of Air Quality Planning and Standards. "Over



Photo of a Beijing scene before a 2005 rain storm, and the same scene after the storm.

www.anl.gov/Media_Center/News/2007/Beijing_report_final.pdf

the past several years, Beijing has implemented a number of measures to improve air quality, and China is now looking at regional approaches to meeting air quality standards similar to successful approaches used in the U.S. The air quality improvements from their actions will benefit everyone." ■

Turing Award winner to speak at April 30 colloquium

TURING Award Winner Andrew Yao will speak on "A Modern Theory of 'Trust-but-Verify'" at a Director's Special Colloquium Monday, April 30.

Yao's talk will begin at 2 p.m. in the Building 362 Auditorium. All employees whose schedules permit are invited to attend.

Yao is a professor at the Center for Advanced Study at Tsinghua University, Beijing. He is also distinguished professor-at-large at the Chinese University of Hong Kong. His research interests include the analysis of algorithms, computational complexity, communication

complexity, cryptographic protocols and quantum computing.

He has been a member of the faculties at the Massachusetts Institute of Technology, Stanford University, University of California at Berkeley and Princeton University.

In 2000, Yao received the A.M. Turing Award, considered the "Nobel Prize of Computing," to recognize his fundamental contributions to the theory of computation, including the complexity-based theory of pseudorandom number generation, cryptography and communication complexity. ■

Central Shops engineer receives QASR award

BY ANDREA CIPRIANI



Toter

WILLIAM Toter (TSD-CS) was presented with the laboratory's Quality and Safety Recognition (QASR) award for his work on the ATLAS

helium piping system.

Toter, a welding engineer who manages Argonne's welding and sheet metal services, proposed a design for a stainless steel system that would meet the safety design requirements for the piping system upgrade at the ATLAS facility.

QASR winners receive a certificate of recognition and two lunch tickets to the Argonne Guest House or the Building 213 Cafeteria.

The QASR Award recognizes employees' contribution to safety and quality at the laboratory. Nominations for the QASR can be sent to EQO Director Bob McCook at mccook@anl.gov. ■

Joachimik, Rosenbaum to be honored with 2007 Compton Award

THE Advanced Photon Source and the APS Users Organization will present the 2007 Arthur H. Compton Award to Andrzej Joachimik (BIO) and Gerold Rosenbaum (SUF-USR).

The award committee chose Joachimik and Rosenbaum from a field of several outstanding candidates, all of whom have made important contributions to the APS and to science around the world. The award recognizes the worldwide stature of protein crystallography conducted at the Advanced Photon Source, the importance of this field of research and the major roles played by Joachimik and Rosenbaum. Joachimik and Rosenbaum were cited for "pioneering advances and leadership in establishing the APS as a premier location worldwide for protein crystallography research."

The award will be presented Monday, May 7, at the first science session of 2007 Users Week at Argonne. ■

MORE NEWS AND LATE-BREAKING UPDATES:

INSIDE ARGONNE
www.inside.anl.gov

Aqueous Separations Team accomplishments recognized



THE accomplishments of Argonne's aqueous separations team in support of the Advanced Fuel Cycle Initiative and the Global Nuclear Energy Partnership (GNEP) were recognized March 26 during a visit by Paul Lisowski, DOE-NE deputy assistant secretary and deputy GNEP program manager.

The Department of Energy paid tribute to the team for its successful demonstration of the UREX+1a spent fuel separation technology in the Chemical Engineering Division. Prior to this demonstration, there was widespread concern that one vital step in the UREX+1a process was not well understood and may have proven to be a stumbling block in the multi-step process. This step, the TALSPEAK process for the separation of transuranics from lanthanides, was tested in FY 2005 with less-than-successful results. Thoughtful analysis and preparatory work were conducted by the Argonne separations team to prepare for the FY 2006 demonstration; as a result, the demonstration was successful far beyond all expectations. Extraction efficiency and product purity expectations were exceeded by large margins. Recent TALSPEAK experiments in FY 2007 have also been successful.

The Argonne Aqueous Separations Team members honored on March 26 are:

UREX 1A TEAM

Monica C. Regalbuto
George F. Vandegriff
Allen Bakel
Candido Pereira
James J. Laidler
Kurt Alford
Delbert L. Bowers
Andrew P. Bracken
James P. Byrnes
Mark A. Clark
John R. Falkenberg
Artem V. Guelis
Lohman Hafenrichter
Andrew S. Hebden
John F. Krebs
Argentina A. Leyva
Laura E. Maggos
Carol J. Mertz
Kevin J. Quigley
Dominique C. Stepinski
Yifen Tsai

SUPPORT

John K. Basco
Jacqueline M. Copple
Donald G. Graczyk
Michael Kalensky
Barbara H. Richardson
Virginia T. Strezio
Vivian S. Sullivan

STUDENTS

Amber Wright
Chad M. Cramer
Brent C. Shroy

Renee Carder appointed deputy to the lab director

ARGONNE Director Robert Rosner has appointed Renee Carder as the deputy to the laboratory director. Carder has served as the University of Chicago's assistant vice-president for strategic research initiatives and executive director of the university's office at Argonne since 2004.

"Renee is uniquely qualified for this position, which will direct laboratory-wide policy development, provide daily oversight of the support functions within the Office of the Director and manage programmatic and operational reviews," said Rosner. "Her strong scientific expertise and knowledge of programmatic and operational systems will contribute greatly to the strategic mission of the laboratory."

In her role as assistant vice president for strategic research initiatives at The University of Chicago, Carder was responsible for guiding the development and growth of science programs that leverage the scientific and technological strengths of the university and Argonne. Her work focused on identifying, developing and managing initiatives in areas as diverse as environmental science, structural biology and nanoscience. Simultaneously, Carder worked to establish innovative approaches for the management of scientific collaborations — developing policies and organizational arrangements that encourage the establishment and use of supportive infrastructure.

Carder also directed The University of Chicago Office at Argonne. She was responsible for overseeing the review of laboratory scientific and engineering programs as well as operations with regard to strategic objectives, staff development, financial management, team management and communication to ensure the effective and efficient



Carder

deployment of staff and resources. In addition, Carder served as the secretary to the UChicago Argonne, LLC Board of Governors for Argonne as well as the principal liaison for the Department of Energy Argonne Site Office.

Carder completed her doctoral degree in neurobiology, anatomy and cell science at the University of Pittsburgh, and has since held research positions at the University of California at Irvine, the University of California at Los Angeles, Johns Hopkins University and most recently in the Department of Neurology at The University of Chicago. In addition to her scientific work, Carder has also served as assistant vice president for program development and associate director of research funding in the Division of Biological Sciences at the university. ■

SERVICE AWARDS FOR MAY INCLUDE:

35 YEARS

Catherine Carbaugh (CHM),
Romesh Kumar (CMT)

30 YEARS

James Bailey (NE), Teng Khoo (PHY),
Claude Reed (NE), Diana Thompson (LTD)

20 YEARS

Jeffrey Eastman (MSD), Gary Griffin (EQO),
Joe Michael (CHM), Jacques Mitrani (DIS),
Susan Rhodes (EQO), Gregory Robinson (DIS)

15 YEARS

Dariusz Blachowicz (DIS), Mark Donnelly (BIO), Joseph Hirsch (EQO), Matthew Lagessie (ES), Stephen Milton (ASD), Raymond Osborn (MSD), Johnny Reed (EQO), Victor Steed (CHM), William Toter (TSD), Balakrishna Venigalla (EQO), Zbigniew Zych (TSD)

10 YEARS

Satish Balay (MCS), Trudy Bolin (XSD), Peter Lee (XSD), Lois Curfman McInnes (MCS),

Sarjrit Shastri (XSD), Rajeev Thakur (MCS),
JoAnne Wold (AES)

5 YEARS

Sergei Chekanov (HEP), John Downs (TSD),
Mark Langguth (LEG), Xiao-Min Lin (CNM),
Troy Lutes (XSD), Jennifer Mawdsley (CMT),
Sergey Stepanov (BIO)

RETIREMENT VENDORS AVAILABLE TO MEET WITH EMPLOYEES

Argonne's retirement vendors will send representatives to the laboratory during May to meet individually with employees and answer questions about retirement plans and assets. To schedule an appointment, call the number listed. Appointments are for one-half hour each.

- Fidelity: Thursday, May 17, and Thursday, May 31. Call (800) 642-7131.
- TIAA-CREF: Wednesday, May 2, Thursday, May 3, and Friday, May 4. Call (800) 842-2005 or see www.tiaa-cref.org/moc.
- Prudential: Wednesday, May 2, and Wednesday, May 16 (mornings only). Call Cheryl at (630) 285-8876.



The accomplishments of Argonne's aqueous separations team in support of the Advanced Fuel Cycle Initiative and the Global Nuclear Energy Partnership (GNEP) were recognized March 26. From left to right are Jim Laidler; Al Sattelberger, associate laboratory director for Physical Sciences; Paul Lisowski, DOE-NE deputy assistant secretary and deputy GNEP program manager, and Deputy Laboratory Director Don Joyce.

Argonne writer's book provides overview of scientific communication

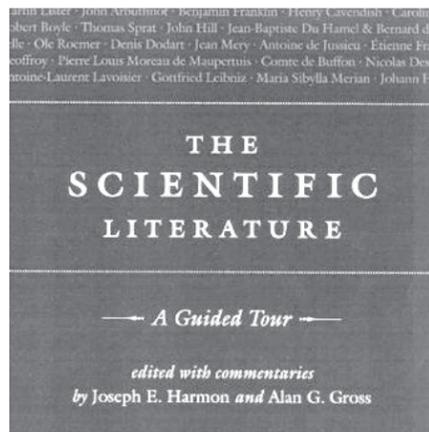
The University of Chicago Press has published "The Scientific Literature: A Guided Tour" by Argonne's Joseph E. Harmon (TSD) and Alan G. Gross.

The book is an overview of scientific communication from the first such articles and how they have changed over time. The collection of short excerpts from more than 100 scientific articles was chosen to represent the broad sweep of discoveries in modern science, from Newton's theory of light to the decoding of the human genome. Also reproduced are 60 tables and illustrations.

Over the last 30 years, Harmon has worked as a scientific editor and writer for various divisions at Argonne and is now a coordinating writer/editor in the Technical Services Division. Alan Gross is a professor of rhetoric at the University of Minnesota and author of several scholarly books.

Appearing in this anthology are the original words and images related to paradigm-shifting discoveries by illustrious scientists like Christiaan Huygens, Robert Hooke, Isaac Newton, Antoine Lavoisier, Dimitri Mendeleev, Marie Curie, Albert Einstein, Edwin Hubble, Alfred Wegener, Enrico Fermi, Werner Heisenberg, Lise Meitner, Richard Feynman, Francis Crick, James Watson, and Barbara McClintock. Also displayed are selections fairly typical of normal science through the ages.

Accompanying each selected passage or image is an extensive



commentary that explains its scientific and historical context and analyzes its communication strategy.

"Our aim," Harmon said, "is to reach the general reader interested in science, scientists interested in their literary legacy and students and teachers who are looking for an accessible treatment of scientific thinking and writing over the last four centuries. Our ultimate goal is that readers will experience the deep satisfaction we have had reading original scientific articles of the past."

This book is not the only collaboration between Harmon and Gross. They earlier wrote a research monograph called "Communicating Science: The Scientific Article from the Seventeenth Century to the Present" (Oxford University Press, 2002) and are now working on an instructional text, "How the Best Scientists Write." ■

'Technical and personal' discussion of cochlear implants topic of colloquium

PURDUE University's Ian Shipsey will present "Cochlear Implants: a Technical and Personal Account" at a Physics Division Colloquium Friday, May 4, at 11 a.m. in the Building 203 Auditorium.

A particle physicist, Shipsey has been profoundly deaf since 1989. Recently he heard the voice of his 11-year-old daughter for the first time, and his wife's voice for the first time in 13 years thanks to a cochlear implant.

Cochlear implants are the first device to successfully restore neural function. They have instigated a popular but controversial revolution in the treatment of deafness, and serve as a model for research in neuroscience and biomedical engineering. In this talk, Shipsey will review the physiology of natural hearing from the perspective of a physicist, and describe the function of cochlear implants in the context of historical treatments, electrical engineering, psychophysics, clinical evaluation of efficacy and personal experience. The social implications of cochlear implantation and the future outlook for auditory prostheses will also be discussed. The colloquium will be presented at a "Scientific American" level. ■

'Social engineering' attacks rely on deception

EMPLOYEES need to be extremely cautious when they receive e-mail messages and phone calls from individuals that appear to represent companies seeking new employees. Information is being harvested from job posting sites targeting government employees and people who post résumés with government experience. Users should be on the lookout for suspicious requests for personal information.

Recently, a fraudulent e-mail representing a job-posting site was sent to an employee. The message requested further information. Upon clicking on the embedded hyperlink within the e-mail, a malicious program was installed on the user's computer system.

The laboratory community is constantly at risk of falling prey to "social engineering": the practice of obtaining confidential information through deception. Not all of these attacks target a specific individual. Often, the hacker is looking for any possible way in to a company's network. Recognition and proper reporting of such attacks is integral to the laboratory's defense strategy and starts with employees.

Employees who think they have been targeted should contact the Cyber Security Program Office immediately at cyber@anl.gov or at ext. 2-3456. The Cyber Security Program Office can provide divisional training on social engineering attacks.

To read more about social engineering, visit the Cyber Security Program Office Web site. ■

<http://inside.anl.gov/cspg>

Winans, Carrado Gregar honored by chemical society division

Two Argonne employees were honored by the Fuel Chemistry Division of the American Chemical Society with "Distinguished Service Awards."

The awards recognize their significant contributions to governance in their primary professional scientific society. Randall E. Winans (XSD) and Kathleen Carrado Gregar (CNM) have served as officers in the society in several different capacities.

Winans began as treasurer (1983-1985), served as a trustee in 1987, then as chair-elect, chair and past chair from 1988-1990. He then was appointed chair of the Strategic Planning Committee (1993-1995), was elected director-at-large for a three-year term (1995-1998), and has been the division webmaster since 1994. Winans' service continues as chair of the Storch Award Selection Committee (2004-current) and also as an elected member to the American Chemical Society Committee on Science (2006-current).

Carrado Gregar started as a member of the Program Committee in 1994 and served as program chair for 1997. She then was elected to chair-elect, chair and past chair from 1998-



(L-R) Carrado Gregar, Winans

2000 followed by a term as director-at-large. In 2003, she was elected to represent the Fuel Chemistry Division as an ACS national councilor, serving on the ACS Divisional Activities Committee, and is currently in her second term in that capacity.

Both have also chaired a number of technical symposia for the division.

Each received a \$1,000 award during a joint Fuel Chemistry and Petroleum Chemistry Divisional dinner during the national ACS meeting in Chicago March 27. ■

EXERCISE CLUB TO HOST WALK AND RUN THROUGH WATERFALL GLEN

The Argonne Exercise Club encourages employees to bring their sneakers to work Monday, April 23, as Greg Wojciechowski (LEG) leads a group through Waterfall Glen Forest Preserve for a 45-minute walk and run. All fitness levels are invited. The group will meet at 11:45 a.m. at the Cass Ave. entrance to the preserve. In the event of rain, there will be a step aerobics class at the club's usual location in Building 200, Room K131.

The American Heart Association has designated Wednesday, April 25, "Start Walking at Work Day," encouraging workers to find a few minutes in their daily schedules for their hearts. Taking a 10-minute walk three times a day can lead to a longer life. Studies show that one hour of vigorous exercise will increase life expectancy by two hours.

Anyone interested in joining the Argonne Exercise Club can find more information on the club's Web site. The annual membership fee is \$30.

<http://www.argonneclub.anl.gov/aec/AECMain.htm>

RUNNING CLUB HOSTS CLINIC, PRESENTATIONS FOR BEGINNING RUNNERS, WALKERS

The Argonne Running Club has planned a series of events designed to get Argonne employees running and walking.

A clinic for beginning runners and walkers will meet every Wednesday at noon in the lobby of Building 200 through May 30. Locker rooms are available for changing into running or walking attire, and showers are available for cleaning-up following the session.

"If you're just beginning a fitness program, the best way to start is with brisk walking," said John Hyzer (HR), president of the Argonne Running Club. Continuous walking gradually prepares the legs for running and will also help develop a consistent daily routine. After several weeks of walking, those who are interested can alternate running with walking. Members of the Argonne Running Club will be on hand to accompany and guide walkers and runners safely along onsite courses.

On Thursday, April 26, a representative from Dick Pond Athletics will give a presentation on selecting running or walking shoes. Dick Pond Athletics is a running-specialty store staffed by veteran runners and shoe experts. The presentation will take place in the Building 200 Auditorium at noon.

RUNNING CLUB TO HOST TRAIL RUNS, WALKS

The Argonne Running Club will host a series of summer trail runs and walks on the second Tuesday of each month starting May 8. The runs and walks will begin at 7:15 a.m.

MAY 8: Lemont Road trailhead
JUNE 12: Lemont Road trailhead
JULY 10: Lemont Road trailhead
AUG. 14: Northgate trailhead
SEPT. 11: Northgate trailhead

All employees and their guests are welcome. Refreshments will be available at the finish, and participants can enter a drawing for one of two gift certificates to Dick Pond Athletics; details will be available at each run.

For more information, call Paul Eident (CHM) at ext. 2-3579.

<http://www.argonneclub.anl.gov/ARC>

NEED A RIDE TO THE UNIVERSITY OF CHICAGO? A FREE SHUTTLE BUS MAKES ROUND TRIPS EVERY WORK DAY. FOR MORE INFO, SEE www.anl.gov/Visiting/shuttle.html

Argonne... "For a brighter future"



Summer Lab participants learn about water plants at a pond on The University of Chicago campus. Summer Lab offers full-day, morning and afternoon programs for children entering nursery school through high school. (See story at right)

Arts at Argonne to host vocal ensemble 'Tapestry'

TAPESTRY, a vocal ensemble, will perform at Argonne's Building 402 Conference Center Saturday, May 12, at 8 p.m.

The trademark of the ensemble is combining medieval repertory and contemporary compositions in bold conceptual programs. Critics have hailed the rich distinctive voices of the ensemble, their "technically spot-on singing," their emotionally charged performances, their impeccably delivered harmony and complex counterpoint. Tapestry has appeared throughout the United States, Canada and Europe, and has recorded four CDs for Telarc and more recently with the

German label MDG.

The concert is open to the public. Visitors who are U.S. citizens need photo identification to enter the site and should call to register before the concert. Non-U.S. citizens must register before the event by calling (630) 252-3751 during business hours.

Admission is \$25. To order tickets, call ext. 2-3751 or mail a request using the online ticket request form. Remaining tickets will be available the week of May 7 in the Building 213 Cafeteria between noon and 1 p.m. ■

www.anl.gov/ARTS/upcoming.html

UNIVERSITY'S SUMMER LAB PROGRAM FOR CHILDREN ACCEPTING REGISTRATIONS

Enrollment for The University of Chicago Laboratory Schools' Summer Lab 2007 program continues at a brisk pace as students from all over town and around the world plan to gather at the Lab Schools this summer. Summer Lab offers full-day, morning and afternoon programs for children entering nursery school through high school. Students can pursue everything from summer school courses such as scientific activities, web design, pastry classes, high school courses for credit, adventure kids day camp, summer lab on stage and late-afternoon sports camps.

Summer Lab 2007 starts June 18 and concludes July 27. The first three-week session runs through July 6; the second three-week session begins July 9. Completed registrations received by April 15 may take advantage of Summer Lab's Early Bird Discount of \$100 off the registration fee. Call 773-834-7766 for a brochure, or visit Summer Lab online at www.summerlab.org. Brochures will also be available in a number of locations throughout Argonne.

HISPANIC-LATINO CLUB TO HOST AUTISM SEMINAR

The Argonne Hispanic-Latino Club will host "The Language Learning Style of Children with Autism Spectrum Disorders: Practical Strategies for Intervention" Friday, April 27, at noon in Building 223, Conference Room B002.

The speaker is Phyllis Kupperman, a speech and language pathologist and executive director and founder of the Center for Speech and Language Disorders. Kupperman has followed many individuals with autism spectrum disorders, Asperger's syndrome, specific language impairment and nonverbal learning disorders from early childhood through young adulthood. In more than 40 years of practice, she has developed strategies to support language and academic learning dealing with issues related to reading comprehension thinking and social skills at various levels.

Her presentations at national

conventions and workshops have provided practical ideas and inspiration to parents and professionals. She has co-authored articles, videos and manuals, consulted with public and private schools and served on college and university faculties.

WORKSHOP PROVIDES STEPS TO A SECURE RETIREMENT

Employees are invited to "Six Steps to a Secure Retirement," a workshop offered by Wachovia Securities, a Prudential representative.

The workshop provides guidance on how to invest money for retirement and is intended for all ages. The workshop has been highly recommended by Argonne employees who have attended in the past.

The one-hour workshops will be held on Wednesdays at noon on May 2, May 16, June 6 and June 20 in a Building 213 Cafeteria private dining room. Seating is limited; for a reservation, call Cheryl at (630) 285-8876.

MEDICAL DEPT. TO OFFER DIABETES SCREENING

A free HbA1C screening will be offered at the Argonne Medical Department in Building 201 Wednesday, April 25, from 9 a.m. to 2:30 p.m.

This test is an accurate estimate of average blood glucose level. This is the best way to check for diabetes or a pre-diabetic condition. Fasting is not required.

The screening is by appointment only; call ext. 2-2800.

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Classified Ads

MISCELLANEOUS

MOUNTAIN BIKE — Trek, carbon fiber frame, used once. Value \$1,800, asking \$1,000. Michael Muscia, (847) 791-1937.

CHANDELIERS — Foyer, 2-tier, porcelain/polished brass, 12 candelabra lamps. \$80. Dinette, brass frame, clear glass panels, 8 candelabra bulbs plus downlight. \$60. Jim Rohlfing, (815) 577-0057.

GITAR — 1957 National Reso, phonic collectable, playable. \$500 o.b.o. Mike Jagger, (630) 910-4831.

TRUCK CAP — White, Dodge Dakota. \$50. Linda DeVito, (708) 257-5658.

TICKETS — Two, Tim McGraw/Faith Hill, Soul-2-Soul tour, Friday, July 13, United Center, section 114, row 13. Jim Podraza, (708) 212-5250.

MISCELLANEOUS — Marine tank, 120 gallon, cherry stand, canopy, skimmer, pump, live rock, etc. \$3,000 o.b.o. Older Schwinn road bike, 10-speed, blue/white. \$100. Chuck Mansfield, (815) 409-2183.

LAWN TRIMMER — Toro 14" grass trimmer/edger, like new. \$25. Rose Pausche, (630) 739-0952.

MISCELLANEOUS — Mongoose 2-child trailer, 20" aluminum wheels. \$50. Adams Trail-a-Bike, 2-seats, 6-speed, like new. Originally \$300, asking \$150. Dean Wyncott, (815) 475-4706.

ENTERTAINMENT CENTER — Oak, fits up to 27"

TV, beveled glass door, excellent condition. \$100. Marge Kowalski, (815) 725-6939.

PAPER SHREDDER — TDE, excellent condition. \$15 o.b.o. Bert Toppel, (630) 355-3323.

MISCELLANEOUS — NEC Multisync 1530V LCD monitor, like new. \$70. Dell nylon laptop bag, good condition. \$12. Palm Zire 72s PDA, silver, software, 128MB SD card, accessories, 10 months old. \$129. Xiaofeng Wang, (630) 335-5049.

MISCELLANEOUS — Antique drum table. \$250. Mahogany secretary. \$250. Cream color plush love seat. \$250. Wing back chairs, 2. \$100 both. Seating benches. \$25 ea. o.b.o. Lamps, picture frames, more. \$5 - \$15. Misc. beanies. 4 for \$10. Filing cabinet, locks, wood, 2-drawer. \$30 o.b.o. Cindy Crawford, (708) 974-1619.

MISCELLANEOUS — Dell Desktop computer, Celeron CPU 2.53GHz, 256MB DDR SDRAM, 80GB hard drive, 48x CD-RW/DVD, integrated 10/100 ethernet, 56K fax modem. \$170. 17" E773 CRT monitor, very good condition. \$50. Lin Zhang, (765) 409-3285.

REFRIGERATOR — Frigidaire, side-by-side, ice/water, 68"x36"x32", like new. Originally \$1,000, asking \$450 o.b.o. Dick Konecny, (630) 372-8239.

MISCELLANEOUS — Child's bedroom set, natural maple finish, crib, changing table/dresser, mirror, dresser/hutch, spindle headboard/footboard, twin, pictures available, pick up only. \$700. Maytag washer/dryer, 6 years old, white standard

size, great shape, pick up only. \$450 both. 2001 Mercury 25hp outboard motor, 2-stroke. \$1,200. Oldtown/Rogue River canoe, 14TK, 14', green, light weight, 2 seats, paddles. \$325. Rob Piorkowski, (708) 479-6854.

AUTOMOBILES

1992 TOYOTA — Corolla, 5-speed, fair condition, runs great. \$1,000. Mike Jagger, (630) 337-4308.

1995 CHEVROLET — Blazer LT, 4x4, PS, PW, cruise, leather, remote start, keyless entry, 4.3L V6, new tires/brakes/muffler/tailpipe, 178K miles. \$3,000 o.b.o. Matt Kwiatkowski, (815) 886-1631.

1979 FIAT — 124 Spyder, 37K miles, cream, like-new tan top, runs fine, needs some mechanical work, will e-mail photos. \$3,000. Gary Pitchford, (708) 354-8082.

2000 SUBARU — Legacy wagon, 5-speed manual, 95K miles, AWD, original owner, garage kept, A/C. \$6,500. Jan Ilavsky, (630) 717-5372.

1985 CHRYSLER — New Yorker, loaded, reliable, black, odometer broken, unknown miles. \$650 o.b.o. Wes Agresta, (815) 254-5120.

2002 SUZUKI — VStrom DL1000, 2K miles, excellent condition. \$5,400 o.b.o. Chuck Mansfield, (815) 409-2183.

2003 OLDSMOBILE — Alero, black, 62K miles, excellent condition, sunroof, spoiler, CD, 3.4L V6.

\$6,900. Greg Tira, (815) 600-1881.

1997 TOYOTA — Camry LE, 139K miles, auto, A/C, CD, excellent mechanical condition, new tires/brakes/exhaust, no rust. \$3,500. John Hyzer, (815) 436-2101.

2001 FORD — Expedition, black, excellent condition, 4x4, leather, moon roof, 98K miles. \$10,900. Ron Kuziel, (630) 257-5604.

HOUSING

APARTMENT/RENT — Darien, furnished, 3 bedroom, 2 bath, heat/water included, available July 1st. \$1,200 mo. Linda DeVito, (708) 257-5658.

APARTMENT/RENT — Darien, 1 bedroom, 1 bath, heat/water included, available July 1st. \$775 mo. Linda DeVito, (708) 257-5658.

COTTAGE/RENT — Near Saugatuck, 5 bedrooms, sleeps 12, 3.5 bath, fireplaces, modern kitchen, deck, beach/pool/tennis access, no smoking. \$3,000 wk. Derrick Mancini, (708) 442-1323.

WANTED

MISCELLANEOUS — Toddler car seat, reasonable. Seamstress. Sharon Giblin, (630) 236-8918.

TEACHER — To teach science lab section(s) at small private high school in Plainfield. Roger Blomquist, (630) 983-4054.