edited by DIANA PARSELL

Project Aids U.N. Human Rights Efforts

At the request of a top U.N. official, AAAS is designing an information management system that will improve the capability of U.N. human rights treaty monitoring bodies.

The committees are charged with evaluating how well countries are complying with obligations they have agreed to in a number of U.N. human rights covenants and conventions.

"These monitoring procedures have never worked satisfactorily, and the lack of a computerized information management system has contributed to that inadequacy," says Audrey Chapman, director of the AAAS Science and Human Rights Program, which is carrying out the project.

AAAS program associate Stephen Hansen says the system he is developing will make it possible to compare information over the years and across U.N. human rights monitoring bodies, and to integrate data from other sources for more thorough country profiles. "Right now, the treaty monitoring bodies are dependent on what countries tell them," he says. "With this system, committees and staff will be able to have far better information at their disposal when they query states parties, so they may see discrepancies and request additional information." A primary goal, Hansen adds, is to aid the development of early-warning capabilities for evaluating the severity of human rights abuses and the need for emergency intervention.

The mandates of the various human rights covenants are varied, and more than 100 countries are signatories to each agreement, so the information is vast and the monitoring process is complex. But, says Chapman, record-keeping methods at the U.N. Center for Human Rights in Geneva, which serves as the secretariat for all U.N. human rights work, are so outdated that the center "is still consigned to a League of Nations–style paper filing system." Remarkably, "there were no computers until 2 years ago," she notes. Automation has begun, but progress is slow because of scarce resources.

The project was undertaken at the request of Ibrahima Fall, the U.N. assistant secretary- general for human rights. Due for completion next year, it is supported by grants from the United States Institute of Peace and the Joyce Mertz-Gilmore Foundation.

Marking a Milestone

Senior officials of the District of Columbia were among the featured speakers at a "topping out" ceremony last month at the Association's new headquarters in downtown Washington. The event was held to celebrate completion of the first phase of construction of the 12-story building, which will house AAAS and other nonprofit scientific organizations.

Merrick T. Malone (center), D.C. assistant administrator for economic development, and D.C. Council Member Charlene Drew Jarvis (right) signed a symbolic I beam, along with Mike Flynn of Pei Cobb Freed & Partners, the architectural firm.

The project was financed in part by the sale of $52 million in low-interest, tax-exempt revenue bonds authorized by the D.C. government. "I use AAAS often as an example to other nonprofits" of the benefits of the city's revenue bond program, Jarvis said.

AAAS has about 25,000 visitors a year. Association officials estimate that the many specialized facilities in the new Center for Science and Engineering—including a 180-seat auditorium, a model science classroom, conference areas, and a science and technology bookstore—will double that number.

HERMAN FARRER

Caribbean Division Founder Dies

Juan Bonnet-Diez, the founder and first president of the Caribbean Division of AAAS, was killed in Puerto Rico in August when he walked into a convenience store during an armed robbery. He was 56.

Throughout his career, Dr. Bonnet worked to promote the development of science and technology in the Western Hemisphere. He first approached AAAS with the idea of establishing a Caribbean Division. It became a reality in 1984, and as president from 1985-88 he helped shape the direction of the division.

Among its activities, the division last month co-sponsored the Environmental Chemistry Symposium of the Third Pan-American Congress of Chemistry. Despite its being held between Hurricanes Luis and Marilyn, the event drew 1,200 chemists from the Americas and the Caribbean. In December the division will co-sponsor a major conference in San Juan on neuroscience research.

Dr. Bonnet held a Ph.D. in nuclear engineering from the University of Michigan and was the author of more than 100 scientific and technical publications. He had served as director of the University of Puerto Rico Nuclear Center and of the Department of Chemistry and Physics at Bayamon Technical College. In recent years he was director of the graduate program at the Polytechnic University of Puerto Rico, where he also taught.

He had headed several major scientific and engineering organizations, including the Puerto Rico Academy of Sciences and the Pan-American Union of Engineering Associations.

He is survived by a wife and 6 children.

A Decade of Science Education Reform

In 1981, AAAS put science literacy at the top of its priority list and began exploring possibilities for a large-scale project that would bring deep and lasting reform to science education. Next month is the 10th anniversary of the launch of that initiative: Project 2061.

The startup coincided with the 1985 approach of Halley's Comet, prompting the planners to consider all the scientific and technological changes a child entering school in 1985 would witness before the return of the comet in 2061—hence the name.

The project took an ambitious approach, aiming to rebuild K-12 education from scratch. Its report *Science for All Americans* set goals for adult science literacy and has sold more than 100,000 copies since its release in 1989. A companion volume, *Benchmarks for Science Literacy*, was published in 1993 and described what students in grades 2, 5, 8, and 12 should know and be able to do in science, mathematics, and technology.

Project 2061's work has provided the foundation for curriculum reform in many states and school districts and has influenced the development of national science education standards and other reform efforts. The project conducts numerous workshops around the country and continues to develop new reform tools for educators and curriculum developers.

For more information, contact Mary Koppal at 202-326-6643 or by Internet at: mkoppal@aaas.org.

AAAS Members Distinguished for Contributions to Science

In September the AAAS Council elected 273 members as Fellows of AAAS. These individuals will be recognized for their contributions to science at the Fellows Forum to be held on 10 February 1996 during the AAAS Annual Meeting in Baltimore, Maryland. The new Fellows will receive a certificate and a blue and gold rosette pin as a symbol of their distinguished accomplishments. Presented by section affiliations, they are:

Agriculture, Food, and Renewable Resources

Lloyd Lee Anderson, Iowa State Univ. • Robert G. Cassens, Univ. of Wisconsin • Dennis B. Egli, Univ. of Kentucky • William A. Jury, Univ. of California, Riverside • Noel T. Keen, Univ. of California, Riverside • Stephen Kresovich, U.S. Dept. of Agriculture • Rattan Lal, Ohio State Univ. • Terry J. Logan, Ohio State Univ. • Robert H. Miller, Univ. of Rhode Island • Richard J. Norby, Oak Ridge National Lab. • Juan G. Rodriguez, Kentucky Academy of Science • Linda J. Saif, Ohio State Univ. • Michael S. Strauss, AAAS • Goro Uehara, Univ. of Hawaii • Carroll P. Vance, Univ. of Minnesota • Paul H. Williams, Univ. of Wisconsin

Anthropology

Melvin Konner, Emory Univ. • Anna Curtenius Roosevelt, Field Museum of Natural History • Emoke J.E. Szathmary, McMaster Univ. • Kenneth M. Weiss, Pennsylvania State Univ.

Astronomy

Holland C. Ford, Johns Hopkins Univ. • Christine Jones, Harvard-Smithsonian Center for Astrophysics • David W. Latham, Harvard-Smithsonian Center for Astrophysics

Atmospheric and Hydrospheric Sciences

Kenneth H. Brink, Woods Hole Oceanographic Institution • Otis B. Brown, Univ. of Miami • David D. Houghton, Univ. of Wisconsin • James F. Kasting, Pennsylvania State Univ. • Steven C. Wofsy, Harvard Univ.

Biological Sciences

Renato Baserga, Thomas Jefferson Univ. • Harold L. Bergman, Univ. of Wyoming • Alan R. Berkowitz, Institute of Ecosystem Studies • Ralph E. J. Boerner, Ohio State Univ. • Mary Anne Brock, National Institute on Aging • Ann Bucklin, Univ. of New Hampshire • C. John Burk, Smith College • Elizabeth M. Cosper, State Univ. of New York, Stony Brook • Jaleh Daie, Univ. of Wisconsin • Kelvin J. A. Davies, Albany Medical College • Francine Essien, Rutgers Univ. • Theodore Harris Fleming, Univ. of Miami • George Edward Fox, Univ. of Houston • Alice B. Fulton, Univ. of Iowa • Costa Georgopoulos, Univ. of Geneva • Howard Gest, Indiana Univ. • Martha Lee Ulbrick Gillette, Univ. of Illinois • Arturo Gomez-Pompa, Univ. of California, Riverside • Shirley Mae Halling, U.S. Dept. of Agriculture • Steven C. Hand, Univ. of Colorado • G. Miller Jonakait, Rutgers Univ. • Joel E. Keizer, Univ. of California, Davis • Michael R. Landry, Univ. of Hawaii • John Lemons, Univ. of New England • Lars G. Ljungdahl, Univ. of Georgia • Orson K. Miller, Jr., Virginia Polytechnic Institute and State Univ. • Richard L. Nuccitelli, Univ. of California, Davis • Donald Penner, Michigan State Univ. • Nancy N. Rabalais, Louisiana Universities Marine Consortium • Dianna A. Redburn, Univ. of Texas • John McNeill Sieburth, Univ. of Rhode Island • Wayne P. Sousa, Univ. of California, Berkeley • Robert S. Steneck, Univ. of Maine • Donald R. Strong, Bodega Marine Lab. • Cornelius W. Sullivan, National Science Foundation • Stanley A. Temple, Univ. of Wisconsin • Lawrence P. Wackett, Univ. of Minnesota • Patrick J. Walsh, Univ. of Miami • Ellen Cleminshaw Weaver, San Jose State Univ. • George Rickey Welch, Univ. of New Orleans • William J. Wiebe, Univ. of Georgia • Jeffrey F. Williams, Michigan State Univ. • John S. Willis, Univ. of Georgia • Don E. Wilson, Smithsonian Institution • John Edward Wilson, Michigan State Univ. • Karen F. Wishner, Univ. of Rhode Island • Maurice Zeeman, U.S. Environmental Protection Agency

Chemistry

Eugene John Barber, Martin Marietta Energy Systems • Arthur D. Broom, Univ. of Utah • Gary W. Brudvig, Yale Univ. • Hernan Chaimovich, Univ. of Sao Paulo • Burton G. Christensen, Lebanon, N.J. • Helena Li Chum, National Renewable Energy Lab. • F. Fleming Crim, Univ. of Wisconsin • Frans Carl De Schryver, Katholieke Univ. Leuven • Dante Gatteschi, Univ. of Florence • Richard Spencer Givens, Univ. of Kansas • Oskar Max Glemser, Univ. of Gottingen • Frank Jordan, Rutgers Univ. • Irene Emily Kochevar, Harvard Medical School • Edward Kostiner, Univ. of Connecticut • Robert L. Kuczkowski, Univ. of Michigan • Angelo A. Lamola, Rohm and Haas Co. • Robert L. Lichter, Camille and Henry Dreyfus Foundation • Joseph Albert Miller, Jr., DuPont Central Research and Development • Michael D. Morris, Univ. of Michigan • Edmond Murad, Phillips Lab. • Yukito Murakami, Kyushu Univ. • Wilma K. Olson, Rutgers Univ. • Michael C. Pirrung, Duke Univ. • Warren H. Powell, Chemical Abstracts Service • Dallas L. Rabenstein, Univ. of California, Riverside • Kenneth J. Shea, Univ. of California, Irvine • Thomas Wilson Swaddle, Univ. of Calgary • Robert Cooper Taylor, Univ. of Michigan • Klaus H. Theopold, Univ. of Delaware • Michael R. Wasielewski, Argonne National Lab. • W. Henry Weinberg, Univ. of California, Santa Barbara • James K. Whitesell, Univ. of Texas

Dentistry

Malcolm L. Snead, Univ. of Southern California

Education

Mary M. Atwater, Univ. of Georgia • Francis P. Collea, California State Univ., Carson • Ronald G. Good, Louisiana State Univ. • George J. Pallrand, Rutgers Univ.

Engineering

Allan J. Acosta, California Institute of Technology • Richard C. Alkire, Univ. of Illinois • Neville G.W. Cook, Univ. of California, Berkeley • Stanley B. Dong, Univ. of California, Los Angeles • Richard E. Ewing, Texas A&M Univ. • Ray L. Hauser, Hauser Chemical Research • David R. Heebner, McLean, Va. • Abraham Hertzberg, Univ. of Washington • James F. Kaiser, Summit, N.J. • Abraham Kandel, Univ. of South Florida • Roderic Lakes, Univ. of Iowa • William W. Moore, Dames & Moore • Frederick C. Nelson, Tufts Univ. • Bruce E. Rittmann, Northwestern Univ. • Boris Rubinsky, Univ. of California, Berkeley • Chih-Tang Sah, Univ. of Florida • Delbert Tesar, Univ. of Texas • T. C. T. Ting, Univ. of Illinois • Marjorie R. Townsend, Washington, D.C. • Miles A. Townsend, Univ. of Virginia

General Interest in Science and Engineering

Dale L. Compton, Cupertino, Calif. • James M. McCullough, National Science Foundation • Gloria J. Takahashi, La Habra High School • JoAnn Myer Valenti, Brigham Young Univ.

Geology and Geography

Ralph B. Baldwin, Naples, Fla. • John R. Filson, U.S. Geological Survey • Robert M. Hirsch, U.S. Geological Survey • Donald Hale Lindsley, State Univ. of New York, Stony Brook • Sean C. Solomon, Carnegie Institution of Washington • John D. Vitek, Oklahoma State Univ. • Isaac J. Winograd, U.S. Geological Survey

History and Philosophy of Science

Peter Louis Galison, Harvard Univ. • Phillip Reid Sloan, Univ. of Notre Dame

Industrial Science and Technology

Don E. Kash, George Mason Univ.

Information, Computing, and Communication

William Richards Adrion, Univ. of Massachusetts • Bonnie C. Carroll, Information International Associates • Peter A. Freeman, Georgia Institute of Technology • Jay K. Lucker, Massachusetts Institute of Technology • Joel Moses, Massachusetts Institute of Technology • Peter G. Neumann, SRI International • Sartaj K. Sahni, Univ. of Florida • Winifred Sewell, Cabin John, Md.

Linguistics and Language Science

Morris Halle, Massachusetts Institute of Technology

Mathematics

M. Douglas McIlroy, AT&T Bell Labs. • Jill P. Mesirov, Boston Univ. • Clifford H. Taubes, Harvard Univ. • Ruth J. Williams, Univ. of California, San Diego

Medical Sciences

R. Wayne Alexander, Emory Univ. • William P. Arend, Univ. of Colorado • Claude D. Arnaud, Univ. of California, San Francisco • Peter S. Aronson, Yale Univ. • Dorothy F. Bainton, Univ. of California, San Francisco • Timothy D. Baker, Johns Hopkins Univ. • Arthur Bank, Columbia Univ. • Jay A. Berzofsky, National Cancer Institute • Clara D. Bloomfield, Roswell Park Cancer Institute • Edward Meigs Brown, Brigham and Women's Hospital • Christine K. Cassel, Univ. of Chicago • Michel Chretien, IRCM • John I. Clark, Univ. of Washington • C. Robert Cloninger, Washington Univ. • Jane F. Desforges, New England Medical Center • John H. Dirks, Aga Khan Univ. • George Dunea, Cook County Hospital • Uta Francke, Stanford Univ. • Richard J. Glassock, Univ. of Kentucky • Barton LeVan Gledhill, Lawrence Livermore National Lab. • Jared James Grantham, Univ. of Kansas • Ian A. Greaves, Univ. of Minnesota • Gareth M. Green, Harvard School of Public Health • Seymour Grufferman, Univ. of Pittsburgh • Margaret A. Hamburg, New York City Dept. of Health • Donald Harry Harter, Howard Hughes Medical Institute • Halsted R. Holman, Stanford Univ. • Ralph I. Horwitz, Yale Univ. • David Hunter Hubel, Harvard Medical School • Richard B. Johnston Jr., March of Dimes Birth Defects Foundation • Robert J.T. Joy, Uniformed Services Univ. of the Health Sciences • Johnathan Lloyd Kiel, USAF Armstrong Lab. • Rajiv Kumar, Mayo Clinic • Lewis Landsberg, Northwestern Univ. Medical School • Robert I. Lehrer, Univ. of California, Los Angeles • Joseph B. Martin, Univ. of California, San Francisco • Stephen J. Marx, National Institutes of Health • Curtis L. Meinert, Johns Hopkins Univ. • Thomas C. Merigan, Stanford Univ. • Ricardo Miledi, Univ. of California, Irvine • Louis H. Miller, National Institutes of Health • Ralph L. Nachman, New York Hospital–Cornell Medical Center • Anthony Westcott Norman, Univ. of California, Riverside • Sherwin B. Nuland, Hamden, Conn. • Bert W. O'Malley, Baylor College of Medicine • John Marius Opitz, Foundation for Developmental and Medical Genetics • Jurg Ott, Columbia Univ. • Jack L. Paradise, Children's Hospital of Pittsburgh • Fred Plum, New York Hospital–Cornell Medical Center • George Gordon Reader, Cornell Univ. Medical College • William C. Reeves, Centers for Disease Control • Marcus M. Reidenberg, Cornell Univ. Medical College • Alfred A. Rimm, Case Western Reserve Univ. • David L. Rimoin, Cedars-Sinai Medical Center • Jonathan M. Samet, Johns Hopkins Univ. • J. Edwin Seegmiller, Univ. of California, San Diego • Robert C. Speth, Washington State Univ. • Mark J. Utell, Univ. of Rochester • Robert E. Vestal, V.A. Medical Center, Boise • Paul A. Volberding, San Francisco General Hospital • Bernard M. Wagner, Wagner Associates • Lars Werko, Stockholm • Christopher B. Wilson, Univ. of Washington

Pharmaceutical Sciences

James D. McChesney, Univ. of Mississippi • Harihara M. Mehendale, Northeast Louisiana Univ. • Lester A. Mitscher, Univ. of Kansas • Frank Porreca, Univ. of Arizona • Robert Leslie Smith, St. Mary's Hospital Medical School, London • Leroy B. Townsend, Univ. of Michigan

Physics

Gerald Boyd Arnold, Univ. of Notre Dame • Morrel H. Cohen, Exxon Research and Engineering Co. • E. Dan Dahlberg, Univ. of Minnesota • Sebastian Doniach, Stanford Univ. • Vernon J. Ehlers, U.S. Congress • Li-Zhi Fang, Univ. of Arizona • Hellmut Fritzsche, Univ. of Chicago • Thomas J. Greytak, Massachusetts Institute of Technology • Martha Krebs, U.S. Dept. of Energy • Richard M. Martin, Univ. of Illinois • Claire Max, Lawrence Livermore National Lab. • Ezra T. Newman, Univ. of Pittsburgh • Stephen E. Schnatterly, Univ. of Virginia • David N. Schramm, Univ. of Chicago • Benjamin C. Shen, Univ. of California, Riverside • Gordon John VanDalen, Univ. of California, Riverside • Herman Winick, Stanford Synchrotron Radiation Lab. • R. Stephen White, Univ. of California, Riverside • Gaurang B. Yodh, Univ. of California, Irvine

Psychology

Helen Daly, State Univ. of New York, Oswego • Claire B. Ernhart, Case Western Reserve Univ. • Morton Ann Gernsbacher, Univ. of Wisconsin • John Jonides, Univ. of Michigan • Gerald P. Koocher, Children's Hospital and Harvard Medical School • Gordon E. Legge, Univ. of Minnesota • Michael E. Rashotte, Florida State Univ. • William Revelle, Northwestern Univ. • Valerie F. Reyna, Univ. of Arizona • Timothy A. Salthouse, Georgia Institute of Technology • Kathryn T. Spoehr, Brown Univ. • Stanley Wasserman, Univ. of Illinois • William A. Yost, Loyola Univ.

Social, Economic, and Political Sciences

Larry L. Bumpass, Univ. of Wisconsin • Peter C. Fishburn, AT&T Bell Labs. • Lowell S. Hardin, Purdue Univ. • Cora Bagley Marrett, National Science Foundation • Jeffrey S. Passel, Urban Institute

Societal Impacts of Science and Engineering

Roger M. Boisjoly, Boisjoly Engineering, Ltd. • Abby Lippman, McGill Univ. • M. Granger Morgan, Carnegie-Mellon Univ. • Joel R. Primack, Univ. of California, Santa Cruz • Michael Traynor, Cooley Godward Castro Huddleson & Tatum, San Francisco

Statistics

George T. Duncan, Carnegie-Mellon Univ. • Iain M. Johnstone, Stanford Univ. • John A. Rice, Univ. of California, Berkeley