EXCELLENCE
Newsletter of the Alliance of Distinguished Rank Professors

Bruce Cole named Chairman of the National Endowment for the Humanities; Three Alliance members chosen Indiana’s Living Legends

President Bush picks IUB Distinguished Professor
Bruce Cole, Distinguished Professor, Fine Arts, has been named to head the National Endowment for the Humanities. The endowment provides grants for scholarship, education programs and museum displays. As its leader, Cole will oversee the organization’s education, outreach and grant programs in support of the humanities. The proposed endowment budget for next year is expected to be $120 million. Cole served on the National Council for the Humanities - an advisory body to the chairman - from 1992-1999. He awaits confirmation by the Senate. Cole will be working with Alliance member, Henry H. Glassie (IUB), College Professor of Folklore, who was appointed by President Bill Clinton in January to serve on the National Council on the Humanities.

Members to receive honor in July
Jazz musician and Distinguished Professor, David Baker, cancer specialist and Distinguished Professor Lawrence Einhorn and Dr. Otis Bowen, Lester D. Bibler Professor, will be named Indiana’s Living Legends at the Indiana Historical Society’s black-tie ceremony and gala in July. Other recipients of the honor include “Garfield” creator Jim Davis, Herman B Wells, and David Letterman, to name a few.
Fall meeting and Dinner information

This year’s Fall meeting and Dinner will be held on Monday, October 15, 2001, at the Indiana Memorial Union on the Bloomington Campus:

Business Meeting - 5 p.m. - University Club, Room 150

Reception - 6 p.m. - Tudor Room Foyer

Dinner - 7 p.m. - Tudor Room

A hospitality room will be available in the upstairs Faculty Club for guests not attending the business meeting.

The new Bloomington Chancellor, Sharon Brehm, will be hosting the event. Please mark your calendars and plan to attend. More information will be sent later this summer.

Happenings

Thomas J. Mathiesen (IUB), Distinguished Professor and David H. Jacobs Chair in Music, has been elected to membership in the American Academy of Arts and Sciences. The organization recognizes achievement in the natural sciences, social sciences, arts and humanities. The American Academy of Arts and Sciences was founded more than 200 years ago by John Adams, James Bowdoin, John Hancock and other prominent leaders during the nation’s early years.

Lawrence H. Einhorn (IN), Distinguished Professor in the IU School of Medicine, and Elinor Ostrom (IUB), Arthur F. Bentley Professor of Political Science, have been elected members of the National Academy of Sciences (NAS), one of the highest honors accorded a U.S. scientist or academic. They were the only members elected this year from a university or college in Indiana. The NAS is a private organization of scientists established in 1863 by a congressional act of incorporation signed by Abraham Lincoln. NAS acts as an official adviser to the federal government in any matter of science or technology.

Victoria L. Champion (IN) Distinguished Professor of nursing

Robert A. Harris (IN) Distinguished Professor of medicine

Giorgio Tozzi (BL) Distinguished Professor of music

Congratulations!

New Members

The Alliance is pleased to announce the following new members:

Robert Arnowe (BL) - Chancellors’ Professor of Education

Yvonne M. Cripps (BL) - Harry T. Ice Professor of Law

Rose S. Fife (IN) - Barbara F. Kampen Professor of Women’s Health

Robert D. Fulk (BL) - Chancellors’ Professor of English

Kirsten A. Gronbjerg (BL) - Efronson Chair in Philanthropy

Mark R. Kelley (IN) - Jonathon and Jennifer Simmons Professor of Pediatrics
Dov-Ber Kerler (BL) - Dr. Alice Field Cohn Chair in Yiddish Studies

George D. Kuh (BL) - Chancellors’ Professor of Higher Education

Frank K. Lester, Jr. (BL) - Martha Lee and Bill Armstrong Chair in Teacher Education

James H. Madison (BL) - Thomas and Kathryn Miller Professor of History

James A. Madura (IN) - J. Stanley Battersby Professor of Surgery

Lynda J. Means (IN) - Frank C. and Ruby L. Moore and George T. Lukemeyer

Anya Peterson Royce (BL) - Chancellors’ Professor of Anthropology and Comparative Literature

Alan M. Rugman (BL) - L. Leslie Waters Chair in International Business

Myrtle M. Scott (BL) - Class of 1948 Herman B Wells Endowed Professor

Steven J. Sherman (BL) - Chancellors’ Professor of Psychology

Robert S. Tepper (IN) - Mary Agnes Kennedy and Katheryn Kennedy Weinberger Professor of Pediatrics

David Ransom Williams (BL) - Harry G. Day Chair in Chemistry

The following IUPUI Chancellor’s Professors will begin July 1, 2001:

Clifford E. Dykstra (IN), Chancellor’s Professor of Chemistry

Howard A. Edenberg (IN), Chancellor’s Professor of Biochemistry and Molecular Biology

Rowland A. Sherrill (IN), Chancellor’s Professor of Religious Studies

**Special Honors and Awards**

Deborah Allen (IN), Otis R. Bowen Professor and Director of the Bowen Research Center, has been included in Best Doctors in America for the year 2000. She and others were chosen as the top 4 percent of all doctors by colleagues in a national survey that included more than 2 million votes. In January, Dr. Allen also began a four year appointment to the American Academy of Family Physicians’ Commission on Clinical Policies and Research.

David Audretsch (BL), Ameritech Chair of Economic Development, is the recipient of the 2001 International Award for Entrepreneurship and Small Business Research. The award is presented by the Swedish Board for Industrial and Technical Development and the Swedish Foundation for Small Business Research. The award is presented in recognition of scientific contributions to theory-building in entrepreneurship or small business development, and includes $50,000 cash and a sculpture.

Otis R. Bowen (IN), Lester D. Bibler Professor Emeritus of Family Medicine, is the first recipient of the Abraham Lincoln Hoosier Award presented by the Northern Indiana Center for History.

Lynton K. Caldwell (BL), Arthur F. Bentley Professor Emeritus of Political Science, was recently honored with the Spirit of Philanthropy Award for his many contributions in the fields of endeavor and for forging continuing ties between IUPUI and the community at large. The award was presented at the 14th annual Spirit of Philanthropy event hosted by the Center on Philanthropy, the IU Foundation, and the IUPUI Office of External Affairs.

Victoria Champion (IN),
Distinguished Professor, School of Nursing, received the Distinguished Lifetime Achievement in Oncology Research Award from the Oncology Nurses Society.

Ernest Davidson (BL), Distinguished Professor, Department of Chemistry, is the recipient of the 2001 Schrödinger Medal, sponsored by the World Association Theoretically Originated Chemists Scientific Board.

Gary Hiefte (BL), Distinguished Professor, Department of Chemistry, is the Speaker of the Year for the 2000-2001 Indiana Academy of Science annual meeting.

George D. Kuh (BL), Challengers’ Professor of Higher Education is the recipient of the 2001 Tracy M. Sonneborn award.

Thomas J. Mathiesen (BL), Distinguished Professor and David H. Jacobs Chair in Music, received three distinguished awards from the American Musicology Society, the Society for Music Theory, and the American Society of Composers, Authors & Publishers for his work, Apollo’s Lyre: Greek Music and Music Theory in Antiquity and the Middle Ages. This is considered the triple crown of awards and is the first time an IU professor has accomplished this feat.

Angela McBride (IN), Distinguished Professor, School of Nursing, is the recipient of the Distinguished Nurse Educator Award from the College of Mount St. Joseph, Cincinnati.

Joel Meier (BL), Challengers’ Professor Emeritus of Anthropology, received the highest honor awarded by the American Alliance for Health, Physical Education, Recreation, and Dance, the Luther Halsey Gulick Medal.

Doris Merritt (IN), Honorary Member, was awarded an honorary Doctor of Science degree at IU’s 172nd commencement exercises.

Sheldon Stryker (BL), Distinguished Professor, Department of Sociology, is the recipient of the Society for the Study of Symbolic Interaction Award for Lifetime Achievement.

Mohammad Torabi (BL), Challengers’ Professor of Applied Health Science, has served as a Scholar in Residence at Ball State University’s Department of Physiology and Health Science. He delivered research presentations with undergraduate and graduate students and faculty.

Douglas Zipes (IN), Distinguished Professor, School of Medicine, and Director of the Krannert Institute of Cardiology was recently inaugurated as President of the American College of Cardiology. He will head the 25,000 member organization, which consists of cardiologists from all over the world, for one year.

Note: If you have received an award within the past year and would like to have it mentioned in the December issue of Excellence, please contact Janet at the Alliance Office (jiblack@indiana.edu).

Retiring Faculty

The following IUB faculty members will be retiring from academics this summer. They are: Robert Arnove, Education; George Ewing, Chemistry and Public and Environmental Affairs; Robert Pollock, Physics; Eugene Rousseau, Music; and Sheldon Stryker, Sociology. We wish them well.

Updates:

President Brand has awarded 31 faculty members and
collaborative groups approximately $900,000 in arts and humanities research grants as part of an initiative announced last October. In speaking to the importance of the arts and humanities, Brand committed $4 million in funding to be awarded for research projects over the next four years. The first round recipients include 20 faculty and collaborative groups from IU Bloomington, six from IUPUI, two from IU South Bend, and one each from IU East, IU Kokomo, and IU Northwest. For a complete listing of the recipients go to the web site: www.iuinfo.indiana.edu/ocm/releases May 3, 2001.

Profiles in Excellence

The following interviews were conducted electronically. The Alliance wishes to thank the members profiled for agreeing to be interviewed.

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Member Profile I
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George Weber (IN), Distinguished Professor, School of Medicine, Departments of Pharmacology and Toxicology and of Experimental Oncology, is responsible for the Molecular Correlation Concept which provided a rational paradigm for the interpretation of the enzymology of cancer cells.

Q. What are your research interests and the implications of your research on health? Your mission?

A. Since I arrived at Indiana University School of Medicine, September 1, 1959, my purpose was to discover strategic differences between the biochemistry of cancer and normal cells in order to design anti-cancer chemotherapy. The main objective was to discover a pattern in the enzymology, metabolism and gene expression of cancer cells that should provide a rational design of chemotherapy. In 1961, I introduced the novel ideas of the molecular correlation concept and of the key enzyme concept at theoretical and experimental methods for discovering the pattern of biochemical imbalance and its linking with neoplastic transformation and progression. This approach provided precise, testable predictions for alternations in gene expression manifested in the enzymic and metabolic pattern of cancer cells. That a theory must be testable to be useful and thus susceptible to verification or refutation was in line with the ideas expressed from other disciplines. With these approaches we discovered that there is an ordered enzymic pattern of gene expression which is manifested in the reciprocal regulation of the activities of opposing key enzymes in the synthesis and degradation processes in carbohydrate, purine and pyrimidine metabolism. Currently, we observe the same pattern for opposing synthetic and degradative enzymes of signal transduction. Through enzyme kinetic and immunological methods we showed that the altered expression of enzyme activities represented changes in the enzyme amounts and these were due to an elevated rate of synthesis.

The implications of our research for health problems and particularly for the treatment of human cancer are that we were able to uncover the selective advantages this reprogramming of gene expression conferred to cancer cells. We suggested that certain increased enzyme activities which was stringently linked with neoplastic progression should be sensitive targets to chemotherapy. Briefly, our mission was to discover such sensitive targets and to translate these ideas to treatment at the bedside.
Q. Where does your department fit into your research?

A. I continue my original appointment as Professor of Pharmacology and Toxicology since 1961. In addition, since 1974, I am Professor and Director of my own Department, called Laboratory for Experimental Oncology. This provided, through my grants from NIH, American Cancer Society and a Milan Panić Professorship a geographic and fiscal unit in which over the years I had the pleasure of working with over 150 post-doctorals, medical and graduate students and also Visiting Professors from various countries, including Hungary, Austria, Italy, Germany, Great Britain and Japan. My collaboration with colleagues in the Departments of Medicine, Surgery, Gynecology, Biochemistry, Pathology and the Walther Cancer Center were particularly rewarding. Our systematic work on concentrating novel approaches and ideas targeting segments of gene expression resulted in purification of a number of enzymes, discovery of new isozymes, determination of the nucleotide pattern of cancer cells and pinpointing 60 enzymes that correlated with transformation and progression in cancer cells. To date we have published 633 papers and reviews and 41 volumes of *Advances in Enzyme Regulation* (Proceedings of annual Conferences I organize). In testing a hypothesis it is a thrill when the new data confirm the predictions of the hypothesis and especially when the ideas can be translated to human cancer treatment. Thus, a high point was reached when with my clinical colleagues we designed a new treatment where in previously hopeless, untreatable cases of chronic myelocytic leukemia in blast crisis 77% responses were observed with some of the patients going into complete remission. The target of the new drug, tiazofurin, was the increased activity of IMP dehydrogenase which was particularly high in the blast cells of leukemic patients. The drug inhibited IMP dehydrogenase activity and this caused the reduction or elimination of leukemic blast cells; the treatment can be repeated sometimes for many months.

Q. Mention recent honors.

A. These discoveries were recognized by honors of which I mention the Clowes Award of the American Association for Cancer Research, the J.H. Wilkinson Award of the International Society for Clinical Enzymology, a number of lectureships, and visiting professorships at various American and foreign Universities and Chair, USPH Study Section, Experimental Therapeutics. Recent honors included State-of-the-Art Lecture at the Meeting on “Purines and Pyrimidines in Man” (2000) and a Visiting Professorship on Signal Transduction at the University of Bologna, Italy (2001), British Cancer Campaign Professor, Oxford University, U.K. (2000). Current awards include the Semmelweis Medal and Diploma at Semmelweis University, Budapest, Hungary (2001) and the Outstanding Achievement Award of the Hungarian Gastroenterological Society (2001). It is pleasing to have my work recognized with Honorary Doctor degrees from the Universities of Chieti, Italy; Budapest, Hungary; Leipzig, Germany; Tokushima, Japan; and Kagawa, Japan. I value my receiving twice the best Professor award at Indiana University School of Medicine by secret balloting of the medical students. Most pleasing, of course, is my designation as Distinguished Professor of Pharmacology and Toxicology and of Experimental Oncology at Indiana University School of Medicine.

Q. Speak to the meaning of excellence in your life and work.
A. The meaning of excellence in life must entail keeping together a family in a constructive and loving atmosphere, the raising of our children and the fulfilling of our duties to family, University, community and country. I always thought that excellence meant doing your duty to be just as good as you could be and to fulfill your destiny. In work it has to mean (for me) maintaining, sparking and keeping together a team at the cutting edge of science, which should accomplish novel discoveries. Excellence must be in achieving exceptional goals with the circumstances and associates you have. Excellence must be in achieving exceptional goals with the circumstances and associates you have. Excellence, meaning exceptional achievements, in the face of difficulty or the resistance of the marble to the chisel and the discoveries of hidden alterations in gene expression entails the methods referred to in the autobiographical notes of Goethe, Darwin, Freud and Einstein, that it entails five percent inspiration and 95% hard work. What I found emphasized in these lives and in the modest levels of our progress is that recognition and verification of patterns are achieved through constantly thinking on these problems.

Q. What are your interests outside of research?

A. Every year we go to S. Wellfleet, Cape Cod, MA, for a month of sun, swimming and writing at least one paper, reading Thomas Mann, Sophocles, Aeschylus and Churchill.

My interest in my attempts to discover new laws in the biochemical behavior of cancer cells pervade all my other activities. They are enhanced by listening to classical music, looking at Renaissance art, and reading books by and biographies on those who made their mark through excellence on human history.

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Member Profile II
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Giorgio Tozzi (BL), Distinguished Professor, IU School of Music, was a leading Bass-Baritone with the Metropolitan Opera of New York for twenty years before joining the IU music faculty in 1991.

Q. What projects are your currently work on?

A. At present, I am writing a collection of memoirs entitled “Random Notes.” Although it is autobiographical in nature, hopefully it will not be too chronologically stodgy. I’m aiming for a psychological profile describing the learning process needed to develop my vocal skills, then having to deal with the career aspects of singing professionally. It would be wonderful if one had only to develop his skill as a performer, then have a career, without the added burden of coping with the real world of the profession. As has been often stated by musicians past and present, “Music is a wonderful Art, but an ugly profession.”

Maybe so, but, when one really feels the thrill of communicating through the medium of great music, even the mundane malaise of the profession can be overcome, and the career becomes an irresistible lure.

Q. Mention recent honors.

A. My most recent honor was the title of Distinguished Professor bestowed upon me at IU. This will always stand out as one of the great milestones of my life. You see, I was always interested in teaching. Even when I was performing at the Metropolitan Opera, I taught at the Juillard School. I had many honors as a result of my career in opera and musical theater, and naturally, I was more than pleased to receive every recognition. After forty
five years of steady performing, I felt that it was time to retire from the rigors of constant travel and singing.

Dr. Mark Clark invited me to perform in a production of “Il Barbiere di Siviglia” he was directing for the Stockton Opera Company. The basso doing a brilliant job in the role of Dr. Bartolo in that same production was the Chair of IU’s voice department, Dr. Roger Havranek. He told me that Dean Charles Webb was still interested in my coming to teach voice at IU. Roger was such a very convincing advocate that it was then that I hung my mantle as a performer in the closet of my memoirs and started a new career as professor of voice. So, after receiving the Henry Upper Chair for Music, and the Teaching Excellence Award three years ago, the title of Distinguished Professor adds another summit to my career as teacher.

But finally, the most fulfilling award is the love and respect of my students, my colleagues and, above all, my wife and family.

Q. Speak to the meaning of excellence in your life and work.

A. Excellence seems to be the result of the love, dedication and respect one has for his talent and for the end towards which that talent is destined. Talent is a natural affinity for a given activity; a marked innate ability for artistic accomplishment. As a child, I did not have the distraction of television. My entertainment center was an RCA Victrola; that square box with a crank on the side, a revolving circular deck on top, all surmounted by a matte finish metallic “tulip” horn. I listened to the excellence of the great opera singers of the Caruso era. Even to my child’s ears, it was not just the magnificence of the vocal timbre and musicality of the singers, but also the way they used the words. The inflections and the passion of the overall result excited me every time I listened to those old ‘78’s. I may not have understood the word, “excellence,” but I felt the excellence and was moved by it. Even through the medium of that square box I loved the excellence of what I heard. Children learn a great deal through imitation. They learn to speak by imitating the sounds the big people make. If they hear and see excellence they will respond to it. Unfortunately, if they see and hear shoddiness, chances are they will pursue that.

I have sought excellence. I may not always have achieved it, but the pursuit of it has always been the driving force that energized me. It still does. I still love to witness it in others, and I still hunger for it. I remember as a youth going to the old Chicago Auditorium and witnessing performances of operas by a touring company in those days known as the “Fortune Gallo Opera Company.” It was exciting to hear those singers on stage, and even though the company was a touring company, many of its singers were excellent performers who sang, or had sung, with the major companies. I thought they were excellent.

Q. What are your interests outside of music?

A. Art has been a great passion of mine. I’ve always been in awe of great paintings. I still am, of course. But there are other interests that did and still fascinate me. Having had the good fortune of being born in Chicago, I spent much time in the Chicago Art Institute, as well as the Field Museum of Natural History, The Shedd Aquarium and the Museum of Science and Industry. All of those magnificent institutions will always remain wonderful memories of some of the most fulfilling times of my youth. Somehow it seems, everything I ever learned from having frequented those places tied in with my artistic growth.
I always enjoyed reading, The Parochial grammar and high school I attended were very strong on Liberal Arts and the interest they nurtured in me for the arts and sciences were invaluable throughout my life. I don’t read as much as I used to, I’m sorry to say, but in my students’ interest I still have to exercise my imagination in order to teach.

Q. Any human interest stories you may want to share?

A. If it hadn’t been for my parents, my aunt and my cousins, I seriously doubt that I could have ever achieved anything. I remember my mother taking time away from her backbreaking housework to put on her best dress to spend the day on her aching feet to take me to the museums. It was their love, sacrifice and faith in me that made anything of worth that I have achieved possible. That is not mere cant. It is purely and simply true. They were far, very far from wealthy, but they were a class act. As human beings they personified excellence to me.

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Fall Meeting and Dinner will be held on Monday, October 15, 2001 at the IMU on the Bloomington campus.

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Letters to the Editor

The Steering Committee invites the general membership to contribute “letters to the editor.” The topics should be related to the mission of the Alliance. Given our sparse publication schedule, the letters ought to address concerns that will be of relevance after a delay of weeks or months. Such letters provide a means for members not on the Steering Committee to play a role in setting policy and priorities, and we encourage you to make such a contribution. Please send letters to the Alliance office, Poplars 823, IUB, Fax: 812-855-5767 or E-mail to alliance@indiana.edu

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