



## UTOPERA

### Creating Utopera

by Sam Nilsson  
*Vice President, European Division*

On behalf of the scientists and artists on the UTOPERA team, I am delighted to report that the "House of Nature" in Stockholm, has decided to cooperate with UTOPERA. The creation of this House was initiated by the King of Sweden a few years ago. It is beautifully located in a park-like setting on the King's property. The theater is ideally suited to our concept of UTOPERA. We have been invited to use these facilities free of charge! We can also use the house as a working home for UTOPERA — **free of charge!** Being able to use the existing facilities will considerably reduce the investment in equipment (stage, tent, spotlights, etc.) for UTOPERA, which otherwise would have been a considerable burden to our budget. We conservatively estimate this to have a value to the project of about USD \$100,000, as a contribution in kind.

The "House of Nature" staff sees in UTOPERA an interesting partner and a means to further their own aims to reach out with the message of harmony between man and nature.

Fellows please take note of the new timing of UTOPERA. Considering our collaboration with the House of Nature and the fact that there will be a "Stockholm Water Festival" on August 10-18, 1991, we think it would be much more appropriate to **open UTOPERA in August 1991**, instead of May 1991. For climate reasons, the month of August is much better in Sweden than the month of May. This is a strong point, since we will be using an outdoor amphitheater.

With the decisions and support of the Executive Committee in December, 1989 and actions at the meeting in March, 1990 to fund UTOPERA with

\$50,000.00 USD, our current funds committed exceed \$103,000.00. During the Spring of 1990, we are counting on our momentum to obtain contributions of \$80,000.00 USD, from the Environmental Fund of the City of Stockholm and the "Natural Step" Foundation of some \$80,000.00 USD, bringing our funds to a total of \$263,000.00 USD. This means that the artistic work and practical work with the realization of UTOPERA can be carried out at a much safer level than before, when we had "only" the starting money from The Salén Foundation. (USD 30,000). It should be stressed, however, that without the seed money from WAAS and The Salén Foundation we would have come nowhere.

This truly trans-national project of science and art in the service of mankind, "unity in diversity" can now apply for formal membership in the "World Decade of Culture 1987-1997", which is administered by UNESCO in Paris. We are already thinking about the location UTOPERA might travel to in 1992 and the year ahead.

We have had several meetings since the New Year with the UTOPERA team. It can be stated that the amount of material for the libretto is more than sufficient. What remains is the music and the definition of a number of the visual art components. We are gradually involving more and more artists and scientists in Sweden and, we hope, exciting Fellows around the world. With the increased financial resources, we can now activate those parts of UTOPERA in a more responsible way.

Finally, with the safer financial situation we have now, it will be easier to follow the timetable — which is of course always difficult when it's a matter of creative or artistic work. After all, UTOPERA is not an industrial project, but a very complex multidisciplinary and multiartistic endeavor. We will keep you posted on our progress.

## News of Fellows



### Harlan Cleveland Elected President

Professor Harlan Cleveland, Professor Emeritus and former Dean, Hubert H. Humphrey Institute, University of Minnesota, has been elected President of the World Academy by vote of the Executive Committee. As President Elect, Professor Cleveland will assume the duties of President in January, 1991. President Carl Göran Hedén and Professor Cleveland will accomplish the transition of the President's Office from Stockholm, Sweden to Minneapolis, Minnesota, USA.

The Executive Committee deeply appreciates the work over the past year of the President's Search Committee chaired by Professor Michael Reisman.

Professor Cleveland is completing the monumental project "Rethinking International Governance" (cf December 1985 Newsletter) and in his letter to the Executive Committee writes, "... I do accept, with enthusiasm, the Executive Committee's offer to succeed Carl Göran Hedén as President of the World Academy of Art and Science."

(Continued on page 2)



## News of Fellows

(Continued from page 1)

Fellow Dr. MARY HALL, Executive Director of the Multi-Faith Centre, sends greetings from their new home at Harborne Hall, Birmingham, England.

Fellow EDNA HIBEL writes that the Hibel Museum in Palm Beach Florida, USA, is "putting the finishing touches" on a historic art exhibition, art tour and television production in the Soviet Union for the coming year.

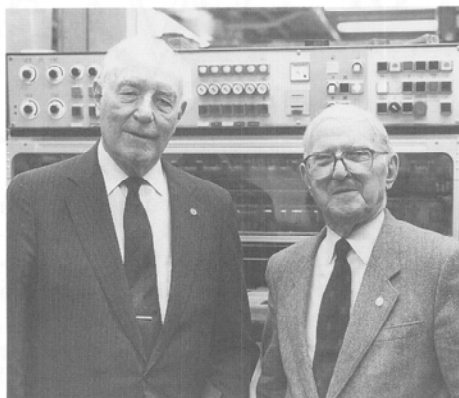
Fellow L. ALCOPLEY, a scientist and a painter, sent a few of his recent publications for the WAAS library for which we are grateful. Several Fellows had a unique opportunity to view some of Fellow Alcopley's paintings with his commentary in New York.

HELEN SILVING'S *Memoirs with the collaboration of PAUL K. RYU*, Vantage Press, New York, 1989, has been received for the WAAS collection graciously given by Fellow Silving, one of America's foremost legal scholars. In looking over this beautiful volume, I read the moving introduction by her husband PAUL K. RYU and became so intrigued that I am now engrossed in the reading of their lives and views. Dr. Silving retired from the University of Puerto Rico and moved to California where she and Paul Ryu continue to write.



President-Elect HARLAN CLEVELAND of WAAS learns details of WAAS finances from current Treasurer, Richard M. Palmer, Esq. and former Treasurer Emily H. Mudd, School of Medicine, University of Pennsylvania, in Mr. Palmer's office; Palmer, Biezup & Henderson, Philadelphia.

Page 2



President-Elect HARLAN CLEVELAND of WAAS examines six-color press at the Winchell Company, Philadelphia, with Frederick H. Gloeckner, Chairman Public Relations Committee, WAAS and Chairman Emeritus of Winchell Company. WAAS Newsletter since 1983 has been designed, printed and mailed by the Winchell Company.

## Where Fellows Live

The World Academy of Art and Science is enjoying a period of vitality with a growing membership. From 383 Fellows and 3 Associate Fellows in the fall of 1988, the World Academy has grown to a total of 419 Fellows, with an additional 7 Associate Fellows.

### EUROPE ..... = 139

Austria .....	4
Belgium .....	4
Czechoslovakia .....	1
Finland .....	4
France .....	26
Germany .....	9
Hungary .....	4
Italy .....	14
Malta .....	1
Netherlands .....	13
Norway .....	1
Poland .....	6
Portugal .....	2
Russia .....	7
Spain .....	6
Sweden .....	22
Switzerland .....	11
Yugoslavia .....	1

### UK and IRELAND ..... = 32

### NORTH AMERICA ..... = 162

Canada .....	20
Eastern USA .....	98
Western USA .....	44

### CENTRAL &

### SOUTH AMERICA ..... = 10

Chile .....	3
-------------	---

Costa Rico .....	1
Guatemala .....	2
Mexico .....	1
Puerto Rico .....	1
Venezuela .....	2

### MIDDLE EAST & AFRICA = 26

Egypt .....	3
Ghana .....	2
Israel .....	11
Jordan .....	1
Kenya .....	3
Morocco .....	1
Palestan .....	2
Saudi Arabia .....	1
Sudan .....	1
Zambia .....	1

### FAR EAST/PACIFIC BASIN = 50

Australia .....	8
China .....	3
Hong Kong .....	2
India .....	6
Japan .....	9
Korea .....	4
Malaysia .....	4
Philippines .....	6
Singapore .....	1
Sri Lanka .....	3
Thailand .....	4

A look at our Fellowship in terms of some arbitrary categories, chosen for convenience, reveals other aspects of the World Academy of Art and Science.

Artists, Museum Curators, Journalists	40
Professors, Academics .....	181
Science & Technology Organizations	57
Judges, Lawyers .....	34
Surgeons, Medical Doctors .....	34
Government, Business, Foundations,	
Banking .....	73

We need Fellow nominations for artists, writers, editors, religious leaders, photographers, musicians, sculptures, painters, actors, actresses, and dancers. When we determine the number of outstanding women in the World Academy, 29, versus 390 men, it becomes a clear and pressing need to nominate females for membership. Do you know of someone who meets the goals and standards of the World Academy? Please make the effort to submit your nomination letter, a seconding letter from a Fellow and the candidate's CV to Dr. MAHNOUSH ARSANJANI, Chairperson, Admissions Committee, 160 East 48th Street, New York, New York 10017. USA.



## Newly Elected Fellows

The Executive Committee, upon the recommendation of the Admissions Committee, elected the following Fellows March 24, 1990 in Haverford, Pennsylvania:

Professor SHU TING CHANG, Ph.D.  
Fungal Genetics and Mushroom  
Technology  
Chinese University of Hong Kong

JOHN PINNA CRAVEN, Ph.D.,  
L.L.B.  
Ocean Science, Law  
University of Hawaii  
Honolulu, Hawaii, USA

Prof. MICHAEL FELDMAN, Ph.D.  
Embryology  
The Weismann Institute  
Rehoriot, Israel

Professor EDGAR GOLD, Ph.D.,  
L.L.D.  
Maritime Law  
Dalhousie University  
Halifax, Nova Scotia  
Canada

Dr. ANATOLY KOLODIN  
Maritime Law  
Soviet Maritime Law Association  
Moscow, USSR

BRUNO LIMA, M.D.  
Psychiatry  
The Johns Hopkins Hospital  
Baltimore, Maryland, USA

Prof. YEHUDA SCHOENFELD, M.D.  
Internal Medicine  
Tel Aviv University, Israel

Professor GERSHON WEILER, Ph.D.  
Philosophy  
Tel Aviv, University, Israel

The following ASSOCIATE  
FELLOWS were elected full Fellows:

STAN VILHELM JOSTE  
Innovation for Development  
Stockholm, Sweden

Dr. PETER REVAY  
Computer Information Science  
Stockholm, Sweden

Professor BERGT-ARNE VEDIN  
Royal College of Engineering  
Stockholm, Sweden

President Hedén appointed the  
following ASSOCIATE FELLOWS:

SUSAN MUDD, Law  
State Director  
Citizens for a Better Environment  
Milwaukee, Wisconsin, USA

Mr. KARL SIMPSON  
Biotechnology and Genetic  
Engineering  
Langley, Slough, UK

## Awards

Dr. STUART M. GLOVER, Secretary-General International Union of Microbiological Societies confirms that in conjunction with the World Academy of Art and Science, the 4TH STUART MUDD AWARD for the Social Implications of Advances in Microbiology will be presented to Dr. CARLETON GAJDUSEK at 5 P.M., August twenty-sixth at the Congress Center, West Berlin, Germany. Dr. Gajdusek will present an important lecture after which a reception will follow by the Senate of Berlin.



## President European Division

Professor ELEONORA MASINI recently assumed the Presidency of the European Division succeeding Dr. SAM NILSSON who continues membership on the Executive Committee as Chairman, Fellowship Committee and Vice-President European Division.

Professor Masini is a sociologist and lawyer teaching social forecasting at the Gregorian University in Rome. She has been Secretary General, and for the past nine years, President of the World Futures Society. She is active in the Club of Rome and an appreciated expert at UNESCO and the United Nations University.

## American Division Meeting

*John H. Proctor, Ph.D.*

American Division Officers and Fellows residing in the Washington area held a supper meeting at the COSMOS Club, Tuesday January 23. Dr. John H. Proctor, Secretary General, welcomed newly elected Fellows Mr. ROBERT BERG, Dr. RONALD MANDERSCHIED, Dr. CHRISTOS PAPA-THODOROU, and Dr. CARLETON GAJDUSEK, 1990 Stuart Mudd Awardee. Fellows Dr. BERTRAND CHATEL, Dr. RITA COLEWELL, Dr. JEROME FRANK, Dr. DAVID HOPPER, Dr. ABRAHAM HORWITZ, Dr. FRANK KAPPER, Dr. HOWARD MINNERS, Dr. HENRY MOSS, Professor ATHELSTAN SPILHAUS, and Dr. CHARLES WEISS, JR. were welcomed by Dr. LARRY NG, President of the American Division. Dr. Ng introduced his guest, Australian Ambassador, the Honorable MICHAEL J. COOK and our guest speaker for the evening Dr. MARY JANSEN, recently of the World Health Organization.

The three-fold purpose of the meeting was enjoying fellowship, meeting the 1990 Stuart Mudd Awardee, and learning more about the American Division's initiative with the World Health Organization (W.H.O.) "Improving the World-Wide Delivery of Mental Health Care Services."

Each Fellow shared his current interests with the group. Dr. Gajdusek summarized his work in microbiology and infectious diseases with most interesting stories and insight gained through his field work in Papua New Guinea, the Micronesian Islands, and currently in Europe and the Soviet Union.

Dr. Ronald Manderscheid opened the discussion of our planning for an international conference and introduced Dr. MARY JANSEN. Dr. Jansen summarized the W.H.O. project and outlined the small planning conference of (1) health care providers, (2) possible funding sponsors, and (3) health care recipients to be scheduled for fall, 1990. The working committee of Drs. Ng, Kapper, Manderscheid, Moss, and Papatheodorou, are actively seeking \$50,000 to fund this planning conference. The Washington Academy of Science has agreed to be a co-sponsor.



## Professor Carl-Gorän Hedén

Dear Colleagues,

The months since the last Newsletter have held many promising developments for the Biological Resources Development Corporation (BRDC), a WAAS project that is very dear to my heart. A major event was my extended three-week visit to China, funded by the Rockefeller Foundation, UNDP and UNESCO, and aimed at collecting a small group of experts to discuss "Hainan — Economic Development in Harmony with Environmental Protection" with Chinese experts and government officials.

A two-day pre-conference bus tour demonstrated both the great biore-source potential and the severe environmental stresses in this "pearl of China," a tropical island about the size of Taiwan and still fairly unspoiled by large-scale developments. It is located near Vietnam, about one hour by plane from Hong Kong. The population of about six million includes some 100,000 "hill people" who subsist largely by slash-and-burn farming.

The island has special economic status, and its government is being tempted by Japan to accept investments in mass tourism and industrial development (e.g. a 35 square kilometer commercial port to support exploitation of fossil fuels in the South China Sea). The Chinese, however, are trying hard to strike an optimal balance between quick returns and environmental protection.

China has long practical experience with integrated biotechnologies of an empirical traditional nature, and the country certainly has a capacity for high-caliber scientific work. The beauty of the area and the concern of its people to keep it beautiful made me think that this might well be a good program area for the BRDC.

I began to feel in early February that the hardest part of starting the BRDC was over, thanks to support from people like BURKE ZIMMERMAN, CARL HODGES and JOHN CRAVEN. I met with JOHN and HARLAN CLEVELAND in Hawaii, where Harlan's positive reaction to serving as chairman of the BRDC interim board was also gratifying. He was for instance

responsible for dividing the international aid between Mao and Chiang Kai Chek after World War II, and has since made many official visits to China. He is thus in a unique position to guide any steps we might decide to take towards an Asian "node" in our growing network.

My next stop was the Carl Hodges' Environmental Research Laboratory in Tucson, where I had very useful talks — in particular with a Salicornia expert, JOHN WEEKS. He is convinced of the economic future of this salt tolerant oil seed crop and showed me some new highly productive varieties. Harvesting is done by a combine which separates the seeds and large quantities of 2-inch pieces of straw. We agreed that a task force on straw fractionation would be very helpful (the salts would follow the hemicellulose in the water extract of steam-exploded material, and the alcohol-extracted lignin could for instance be a useful adhesive for building materials). Its use as a mushroom substrate also ought to be explored.

My next stop was Washington, where I met with the senior science advisor to the World Bank and enlisted his support. Another meeting with CHRISTER SALEN, KARL ZIEGLER and KARL SIMPSON in London turned my mind to a variety of ways to organize the financing of the BRDC. Whether this should be by joint ventures, associated companies, leasing/franchising — I would very much like to see major corporations help us build up a \$100 million "Targeted Biotechnology Development Fund," but that may of course take a long time.

Since my return to Stockholm the BRDC activities have returned to their normal electronic routines, which are now geared to preparing a final business plan and other documents that will be considered by the Interim Board of Directors at their next face-to-face meeting. This is expected to take place August 21-23 before the Stuart Mudd Award at the International Union of Microbiology Society in Berlin. The WAAS Executive Committee is scheduled to meet August 25 in Berlin and will review progress made on the BRDC-project which it regards as a significant experiment.

## Control of Iodine Deficiency

Dr. BASIL HETZEL — writes great progress has been made in the International programme for the control of iodine deficiency.

In April we went to China, after a visit to Japan and Korea. A conference in Tianjin was followed by meetings in Sichuan and Xinjiang Provinces.

Then back to Beijing where a meeting was held at the Ministry of Public Health. We left China just before the awful massacre in Tienanmen Square, by which we were horrified.

Meetings in Delhi, Jakarta and Seoul — for the International Congress of Nutrition — have been happily marked by the growing enthusiasm and interest in IDD control.

My book on "The Story of Iodine Deficiency" was published earlier this year in both Oxford and Delhi. To cap off a remarkable year, Basil gave the Gordon Oration at the Public Health Association at Melbourne University.

## Deceased WAAS Fellows

Prof. Julian Aleksandrowicz,  
Epidemiology, Medical  
Rehabilitation  
Poland

Prof. Dr. Heinrich C. Walter,  
Emeritus Prof. Botanisches  
Institut  
University of Hononheim  
Botany and Ecology  
Germany

Prof. Walter Orr Roberts  
Climatology  
President Emeritus University  
Corporation for Atmospheric  
Research, Colorado, U.S.A.

Prof. Anton DeVos  
Professor, Urban and Regional  
Planning  
Canada

Mr. Spurgeon Milton Kenny,  
Child Welfare and Family  
Planning, U.S.A.

Dr. Hans G. Bobek  
Professor Emeritus, Social  
Geography  
Austria

Professor John Philip Baxter  
Former Chairman  
Australian Atomic Energy  
Commission