

Item 11.3: COCI Report to Bureau and Council

I. Highlights

- The "*Training Program for Safety and Environmental Protection*", joint with UNESCO/UNIDO was successfully reactivated in 2001, financed by COCI. Two companies were for the first time American hosts. UNESCO has contracted to financially support trainees in 2001. Potential candidates include those from China.
- "*DIDAC*", the joint program with the CTC and UNESCO for the teaching of chemistry in especially developing countries, has been successful beyond expectation ! This Belgian-developed tool has been translated into French, Arabic, Korean, Russian, etc., and over 30 developing countries have become involved. COCI's financial support was multiplied by UNESCO expenditure >\$100K. Colored poster versions are now being prepared by Agfa-Geveart for use in countries where even transparencies are not practical. Industry in China have just offered to translate, as has the Chemical Society in Japan.
- The "*Oestrogen*" Special Publication has now been distributed by UNESCO to decision-makers in >70 countries.
- The April 2000 ANW "*Visit to China*" resulted in the commitment of SINOPEC to sponsor a *Safety Workshop* in 2002 (or 3?) in Beijing, to purchase DIDAC to translate into Chinese for the Ministry of Education, and to identify a candidate for the *Training Program*. The "Society of Chemical and Petrochemical Industry of China" also Committed to "co-sponsor" the Workshop and to identify candidates for *Training*.

II. Activities (By Goals Addressed in the 2000-1 Strategic Plan)

- Goal 1 "---global issues -----", and
- Goal 5 "----important socio-political aspects ----"
 - 022/18/98 - Special Publication on Natural and Anthropogenic Environmental Oestrogens
Distributed with UNESCO's help to decision-makers in over 70 countries. COCI supporting Prof. Myamoto's follow-up Project Proposal #20000-016-1 "Endocrine Active Substances".
- Goal 3 "---industry in its contributions to sustainable development ---"
 - 022/11/93 - IUPAC-UNESCO-UNIDO Fellowship Program for Safety in Chemical, Pharmaceutical ,and Biotechnological Research and Production
COCI financed in 2000 two successful 3-week visits for the first time to American hosts: Esma Toprak from Turkey to BP Amoco; and Prof. El-Eman from Egypt to Bristol-Meyers Squibb. UNESCO is negotiating follow-up programs in their home counties, and has signed a contract for 2001 financial

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support of new trainees. BMS have agreed to host again in 2001, and candidates include those from China.

- 022/16/98 - Workshop on Safety in Chemical Production
August 2001 Workshop organized in Senegal.
SINOPEC committed to sponsor a COCI-organized Workshop in Beijing in 2002(or3?). The "Society of Chemical and Petrochemical Industry of China" to be a partner.
- 022/15/95 - "Identification" - Molecular Basis of Biodiversity
To represent the views of industry, participated in planning meetings and in the final drafting of "Recommendations" during the April 2001 Workshop in Kunming.
- Reaction Pathways and Processes in Green/Sustainable Chemistry
Have tried to communicate throughout IUPAC the concerns of many in industry over the "Green" terminology.

- Goal 4 "---effective channels of communication ---"
- 022/15/95 - "Identification" - Reliability Problems in Chemical Measurement
Brought to the attention of industry and government that a wide variation (>100%) exists in trace element analysis in water from even "accredited labs". This includes Pb and Cd, for which governments are formulating regulations.

- Goal 6 " --- enhancement of education in chemistry ----"
- 022/17/98 - DIDAC
In cooperation with the CTC, UNESCO, and Agfa-Geveart, we have promoted/financed this unique, Belgian-developed tool for the teaching of chemistry, especially in developing countries. The contributions of UNESCO have been outstanding - it is now available in many languages and over 30 countries are considering its use, a number increasing monthly. It has already been adopted in Korea and Russia among others. Agfa is now developing a color-poster version, and China and Japan have recently committed resources.

- Goal 8 "--- broaden the geographical basis ----"

This goal was addressed by my April 2000 visit to China which gained the commitment of SINOPEC and to the "Society of Chemical and Petrochemical Industry of China" to several IUPAC activities, and which may also gain us more Company Associates in this region. The recent addition of a COCI Representative from CEFIC also addressed this goal.

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III. Publications

Training Program - CI, 2001, Vol. 23, No. 2 (March), p.33.

DIDAC - CI 200, Vol. 22, No.4 (July), p. 103.

Reliability of Trace Analysis in Water - CI, 2000, Vol. 23, No.1 (January), p. 1

A. Nelson Wright, Chairman
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