

REPORT OF THE PRESIDENT OF IOCG AT ICCG-8, YORK, UK, JULY 1986

This report is divided into two separate parts. The first part is based on the reports received from the National Associations; the second part concerns the two business meetings of the Executive Committee and of the Council held during ICCG in York.

The reports of the National Associations will be exchanged between the secretaries of these Associations so that in my report I will give only a brief summary. By doing this summary, I asked myself the question about the status of IOCG, since this subject has been extensively discussed in various letters exchanged between, the Councillors of IOCG, was discussed at the IOCG Council meeting in Stuttgart in 1983, and then again in York, 1986.

I. Summary of the reports made by the national organizations

After the first International Conference on Crystal Growth, Boston 1966, IOCG (former name CICC) promoted the creation of the National Organizations of Crystal Growth. A history of the creation of the National Organizations has been recently established by the General Secretary of IOCG (published in the American Association's Newsletter and reprinted in other national newsletters).

Presently, there are nine National Associations:

- AACG American Association of Crystal Growth (USA)
- AICC: Associazione Italiana per la Crescita dei Cristalli (Italy)
- BACG: British Association of Crystal Growth (UK)
- DGKK: Deutsche Gesellschaft für Kristallwachstum and Kristallzüchtung (FRG)
- GFCC: Groupe Français de Croissance Cristalline (France)
- IACG: Israel Association of Crystal Growth (Israel)
- JACG: Japanese Association of Crystal Growth (Japan)
- KKN*: Kontaktgroep Kristalgroei Nederland (Netherlands)
- SKM* Section Croissance Cristalline et des Matériaux (Switzerland)

Some of them (*) are affiliated with other National Associations, the others are independent, that means they elect their own president, secretary, treasurer and have paying members. One to three officials of each of these Associations belong to the Council of the IOCG, the number of officials depends on the size of the organization.

For the moment, no such Associations exist in countries where a unique Government Science Organization operates (USSR, GDR, Bulgaria, Poland, China). These countries have, however, representatives in the IOCG Council on a personal basis. There is the great hope that these countries, which are very active in crystal growth and participate strongly in each ICCG Conference, will create National Associations and that they can join IOCG. Other countries, such as Spain, are on the way to assembling their crystal growers and, hopefully, they will join us.

IOCG takes care that every three years an ICCG Conference and a Summer School are organized. In between, IOCG sponsors International Conferences on special topics and maintains contact with the National Associations or individuals.

The status of IOCG is the sum of the status of each of those National Associations.

All of the National Associations have an Annual General Assembly which takes place together with a scientific program where invited speakers operate, contributed papers or posters are presented. JACG and AICC publish Proceedings in their mother language.

ICCG-8 York, 1986

All of these Associations have, in addition, a very intense activity due to topical meetings they call symposia, workshops, etc., and where industry visits are organized. Randomly selected topics are: Kinetics and Habit, Optoelectronic Crystals (BACG); Growth Units (JACG), Starting Materials (DGKK), Industrial Crystallization (KKN), Molecular Beam Epitaxy, Protein Crystallization (GFCC), Crystal Growth and Crystal Chemistry (SKM), Multinary Semiconductive Components (AICG).

Several Associations held twin meetings: DGKK-SKM; DGKK-KKN. A special mention has to be made in respect to the four FICH joint meetings organized by GFCC (F), AICC (I), SKM (CH).

With respect to meetings, two particularities have to be cited:

- the very informal annual two-week meetings (83, 84, 85) of JACG called "Hohdankai"
- the less informal one "BACG Annual Lecture".

Each National Association has its Newsletter and sends it three or four, times every year to their members. In some cases, the Secretaries exchange their Newsletters. Some of them have a high standard (AACG, DGKK). This needs a very active Editorial Board.

In order to improve their status, some Associations took care of Awards. The AACG has two prizes every three years: a high level prize (international) and one for young US scientists. JACG awards since three years an annual prize for their members, but this prize brings no money, only honor. DGKK created this year its own prize.

Some Associations, DGKK, AACG and BACG, initiated discussions in order to find new exchange procedures for scientists. This point was suggested at the Council Meeting at Stuttgart in 1983. For the moment, they could not concretize their ideas. Probably there are still many effective ways for exchange and what is needed is to know how to use the existing ones.

Two very interesting initiatives taken by the National Organizations have to be mentioned concerning synthetic crystal exhibitions. DGKK received (from the "Deutsches Museum" the necessary space, there is an ad hoc commission and now they are looking for finances. The BACG found a concrete way to proceed. The Exhibition "Crystals in Industry" at the York ICCG-8 Conference, will travel around UK for several years. The Scottish Museum's Council will be the permanent operator.

Clearly all these initiatives will improve the status of the Crystal Growth community in their respective countries. Until now, JACG has already acceded to a very high status. A Divisional Committee for Crystal Growth of eight members was initiated two years ago in the Science Council of Japan, in addition to the existing Committee of Crystallography.

Another important way to measure the status of our community is to look at teaching activities. SKM sent out a detailed questionnaire, will compile the data, and intends to organize a Workshop on "Teaching Crystal Growth".

The future status depends only on the activities of the National Associations, IOCG can help in the future as in the past, so that new National Associations are created, IOCG can provide some coordination, but cannot do what the National Organizations have to do.

II. The meetings of the Executive Committee and the Council of IOCG

Some decisions have been taken by the Executive Committee and the Council during the York meeting. They will contribute to increase the status of IOCG.

- A. There have been discussions with North-Holland Physics Publishing so that members of the National Associations will be able to buy at a reduced rate the Journal of Crystal Growth. The final decision of the publisher will be communicated to the General Secretary of IOCG in the near future, who will then give clear instructions to the National Secretaries.
- B. A decision was made for IOCG to offer two prizes for work in the field of crystal growth. These prizes will probably be offered every three years commensurate with the IOCG meetings.

A sub-committee will present in the next six months a precise proposal to the Executive Committee about all practical details. The first two prizes will have to be delivered at the Sendai Meeting in 1989. The sub-committee, Sekerka (Chairman), Ainger, Benz, and Komatsu is open to all suggestions coming from the crystal growth community.

- C. Another important point has been decided for improving communication between the crystal growers. Dr. B. Cockayne is in charge of writing- regular international news which will be published in the Journal of Crystal Growth. An appropriate amount of 24 pages per year will provide a few times a year information about the past National activities. This news bulletin will need an effective and continuous cooperation of some individuals in

ICCG-8 York, 1986

the different countries

D. The Nomination Commit will be appointed in the future by the President of IOCG after consultations with all the members of the Executive Committee.

At our next General Assembly in Sendai 1989, we shall have to check if our decisions became reality.

R. Kern
President of IOCG

ICCG-8 York, 1986

IOCG GENERAL ASSEMBLY, YORK, UK, 17 JULY 1986

The General Assembly of the IOCG' during ICCG-8 at York, UK, was presided over by Professor R. Kern, the President of IOCG. The members of ICCG-8 present at the meeting confirmed the election of officers and members of the Executive Committee. The list of councillors representing various national organizations was presented and accepted. Nominations were then received for the five council seats to be elected by the General Assembly. From those nominated, the following were elected by ballot to be councillors for the next three years:

H. Arend	(Switzerland)
K.A. Jackson	(USA)
H. Jacob	(ERG)
M. Jiang	(China),
P.. Ramasamy	(India)

Professor Kern then presented the report of the President.

He then reported on decisions which had been made by the Executive Committee and Council: Discussions have been initiated with North-Holland to get a discount on the Journal of Crystal Growth for all members of National Organizations.

There will be two prizes to be presented by IOCG. A subcommittee, chaired by R.F. Sekerka, with F.W. Ainger, K.W. Bentz and H. Komatsu, will make recommendations on the nature of the awards, the criteria for the awards, and the method of funding the awards. Dr. B. Cockayne will edit an IOCG Newsletter. It will be included with the Journal of Crystal Growth. Dr. Cockayne intends that there should be technical news and news of national organizations. He requested someone from each, national organization be appointed to send him news, and also that someone from countries without national organizations be selected for this purpose.

H. Arend suggested the compilation of a directory of crystal growers and a catalog of crystals grown.

The Treasurer's Report was presented by K.A. Jackson, and was approved.

Professor Komatsu presented. an outline of ICCG-9 to be held in Sendai, Japan, August 20-25, 1989. I.

Sunagawa will be Chairman, and T. Nishinaga will be General Secretary for the Conference.

The General Assembly was adjourned by! Professor Kern.

Treasurer's report

Balance at close of ICCG-7	\$ 4414.03
Receipts:	
Interest from bank accounts	\$ 799.41
Disbursements:	
Award presentation at ICCG-7	\$ 172.40
Bank charges	\$ 26.68
	\$ 199.08
Current balance	\$ 5014.36

Kenneth A. Jackson
Murray Hill, NJ, USA, 10 July 1986

DIRECTORY OF OFFICERS, MEMBERS OF THE EXECUTIVE COMMITTEE, AND COUNCILLORS OF IOCG ELECTED 1986-1989

Officers:

R. Kern, President	CRMC2-CNRS, Campus Luminy, Case 913, F-13288 Marseille Cedex 09, France
R. F- Sekerka, Vice President	Mellon College of Science, Carnegie-Mellon University, Pittsburgh, PA 15213, USA
B. Cockayne, Vice President	Royal Signals; and Radar Establishment, St. Andrews Road, Malvern, Worcs. WR14 3PS, UK
M. Schieber, Secretary	School of Applied Science and Technology,, Hebrew University, Jerusalem 91904, Israel
E. Kaldis, Treasurer	Institut für Festkörperphysik ETH, Hönggerberg, CH-8049 Zurich, Switzerland
R.A. Laudise, Past President	AT&T Bell Laboratories, Murray Hill, NJ 07974, USA

Executive committee of IOCG:

K.W. Benz	Physikalisches Institut der Universität, Pfaffenwaldring 57, D-7000 Stuttgart 80, FRG
A.A. Chernov	Institute of Crystallography, Academy; of Sciences of the USSR, Leninskii Prospekt 59, Moscow, 117333, USSR
L.J. Giling	RIM, Department of Solid State Physics, Catholic University, 6525 ED Nijmegen, The Netherlands
H. Komatsu	Research Institute for Iron, Steel and Other Metals, Tohoku University, Katahira 2-1-1, Sendai 980, Japan
F.W. Ainger, Past Chairman ICCG-8	Allen Clark Research, Centre, Plessey Research (Caswell) Ltd., Caswell, Towcester NN12 8EQ, UK
I. Sunagawa, Chairman ICCG-9	Department of Geology, Tohoku University, Sendai 980, Japan
D.T.J. Hurlle *	Royal Signals and Radar Establishment, St. Andrews Road, Malvern, Worcs. WR14 3PS, UK
C. Paorici, Representative IUCrys	Istituto MASPEC-CNR, I-43100 Parma, Italy.

Council of IOCG:

A. Councillors representing National Organizations

Federal Republic of Germany

K. W. Benz, President	Physikalisches Institut der Universität, Pfaffenwaldring 57, D-7000 Stuttgart 80, FRG
A. Eyer, Secretary	Fraunhofer Institut für Solare Energiesysteme, Oltmanstrasse 22, D-7800 Freiburg, FRG
R. Lacmann	Institut für Physikalische Chemie, Technische Universität, Hans-Sommer-Strasse 10, D-3300 Braunschweig, FRG

France

A. Authier	Lab. Minéralogie et Cristallographie, University P. et M. Curie, 4 Place Jussieu, F-75230 Paris Cedex 05, France
R. Collongues, President	Lab. Chimie Appliquée, Ecole Nationale Supérieure de Chimie de Paris, 11 Rue P. et M. Curie, R-75231 Parix Cedex 05, France
J.J. Métois, Secretary	CRMC2-CNRS, Campus Luminy, Case 91.3. F-13288 Marseille Cedex 09, France

Israel

L. Ben-Dor	Department of Inorganic Chemistry, Hebrew University, Jerusalem 91904, Israel
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ICCG-8 York, 1986

Italy

C. Paorici Istituto MASPEC-CNR, 1-43100 Parma, Italy

Japan

R.R. Hasiguti, President Science University of Tokyo, Kagurazaka, Shinjuku-ku, Tokyo 162, Japan

T. Nishinaga, Secretary Department of Electronic Engineering, University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113, Japan

T. Ogawa Department of Physics, Gakushuin University, Mejiro, Toshima-ku, Tokyo 171, Japan

Netherlands

J.J.M. Binsma, Secretary Philips Research Laboratories, P.O. Box 80000, 5600 JA Eindhoven, The Netherlands

G.M. van Rosmalen, President Department of Chemistry, Delft University of Technology, 2628 RZ Delft, The Netherlands

Switzerland

J. Bilgram, Secretary Laboratorium für Festkörperphysik ETH, CH-8093 Zurich, Switzerland

United Kingdom

M.G. Astles, Secretary Royal Signals and Radar Establishment, St. Andrews Road, Malvern, Worcs. WR14 3PS, UK
K.G. Barraclough Royal Signals and Radar Establishment, St. Andrews Road, Malvern, Worcs. WR14 3PS, UK
I.J. Saunders, President - Department of Physics, University of Lancaster, Lancaster LA1 4YB, UK

United States of America

A.E. Gentile, President Hughes Research Laboratories, Malibu, CA 90265, USA

F. Rosenberger Center for Microgravity Research, University of Alabama in Huntsville, Huntsville, AL 35899, USA

T. Surek, Secretary Solar Energy Research Institute, 1617 Cole Boulevard, Golden, CO 80401, USA

B. International Unions

IUPAC

M. Williams, Executive Secretary Band Court Chambers, 2-3 Pound Way, Cowley Centre, Oxford, UK

IUCrys

K. Kurki-Suonio Department of Physics, University of Helsinki, SF-00170 Helsinki 17, Finland

C. General Assembly

H. Arend Institut für Festkörperphysik ETH, Hönggerberg, CH-8049 Zurich, Switzerland

K.A. Jackson, Treasurer AT&T Bell Laboratories, Murray Hill, NJ 07974, USA

H. Jacob Wicker GmbH, D-8263 Burghausen, FRG

Jiang Minhua Institute of Crystal Materials, Shandong University, Jinan, China

P. Ramasamy Crystal Growths Centre, Anna University, Madras 600025, India

* IOCG Ex Officio Representative to the IUCrys Commission on Crystal Growth.