EUROGRAPHICS

The European Association for Computer Graphics

R E P O R T   1 9 8 0 - 1 9 8 4

FOREWARD

This is the first Five Years Report of the EUROGRAPHICS Association. In this report, we show what we have achieved and learned during the period 1980 to 1984. We try to explain the operational structure of the Association, to present its officers, who do all the volunteer work needed to run it and finally, we proudly submit to our membership, our achievements in professional services (Computer Graphics Forum, Book Series, Series of Seminars, Working Groups and Technical Committees, Institutional Membership Policy, etc. etc.) We still have a long way to go, a lot of work still has to be done and we also have to guarantee a healthy growth of the EUROGRAPHICS Association. Nevertheless, we have already achieved much, of which we can be proud.

From my point of view, we can make the following statements after these first five years:

1. EUROGRAPHICS is a professional, non-proft association with a sound international credit; it has a good profile;

2. EUROGRAPHICS has finished its bootstrapping phase and has now to stabilise its operation; it is already very operational;

3. EUROGRAPHICS has a good and solid backup in the size of its membership and budget situation;

4. EUROGRAPHICS has strongly motivated and coordinated cooperative, technical work in Computer Graphics in Europe; it is fulfilling its professional purpose very well.

On the other side for the future, there is still a lot to be done within EUROGRAPHICS and many things may be improved:

(a) EUROGRAPHICS has further to develop and intensify its Working Group and Technical Committee activities;

(b) EUROGRAPHICS has less to base its operationsolely on
    purely voluntary work, since it is becoming too large;
    nevertheless, it has still to make sure that it remains
    a purely highly professional association, as stated in
    its constitution;

(c) EUROGRAPHICS has to further develop and strongly intensify
    its cooperation, liaison and chapter policy, especially
    within Europe. The UK and the Federal Republic of
    Germany are already good examples of that; others will
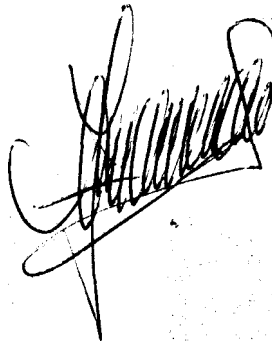   have to follow.

We can really be proud of what we have already achieved, and that is
an even stronger motivation to try to do more and better in the
coming five years. I have absolutely no doubt that EUROGRAPHICS, its
officers and the EUROGRAPHICS members will achieve these and many
other professional goals of relevance for the Computer Graphics
community, especially in Europe.

I am leaving my office as Chairman of EUROGRAPHICS on 31 December
1984. I am proud of being one of the founders and the first
Chairman of EUROGRAPHICS. The first five years were years of hard
and intensive work on behalf of the Association. Many people
helped me in my affairs as Chairman of EUROGRAPHICS. I would like
to personally thank all founding members for their courage in
starting EUROGRAPHICS, namely F.R.A. Hopgood, G. Valle, P. ten Hagen,
Ch. Pellegrini and C. Vandoni and for all their strong and friendly
support and cooperation. I would very much like to thank all
officers of EUROGRAPHICS, especially D. Duce, G. Enderle and
R. Lindner, for the great job they have done in serving EUROGRAPHICS
and supporting me as Chairman. I also want to sincerely thank all
members of the EUROGRAPHICS Executive Board and Executive Committee,
who served during the years 1980 to 1984, for all their advice and
directives; they were essential for the success we have had with
EUROGRAPHICS during the past five years. Last but not least, I wish
to express my great gratitude to my secretaries, B. Astridge,
R. Kimeswenger and E. Klinger, who did all the hard secretarial work

for me during my term as Chairman. So many letters, minutes and
reports had to be typed and photocopied; telephone calls and
telexes had to be dealt with, It is not only for me time to
terminate my duties as Chairman, but also for them, having done
all this work on a purely voluntary basis, with no remuneration
from EUROGRAPHICS. They also wanted to help EUROGRAPHICS in its
bootstrapping! My office as Chairman would have been impossible
without them; they did a great job.

EUROGRAPHICS can, in the future, expect to rely on my services and
on my support and cooperation. Now other EUROGRAPHICS colleagues
have to take over the job and further develop the Association; I
sincerely wish them all "good luck" and much success for the
future. I also wish EUROGRAPHICS and all its members the very best
for the future.

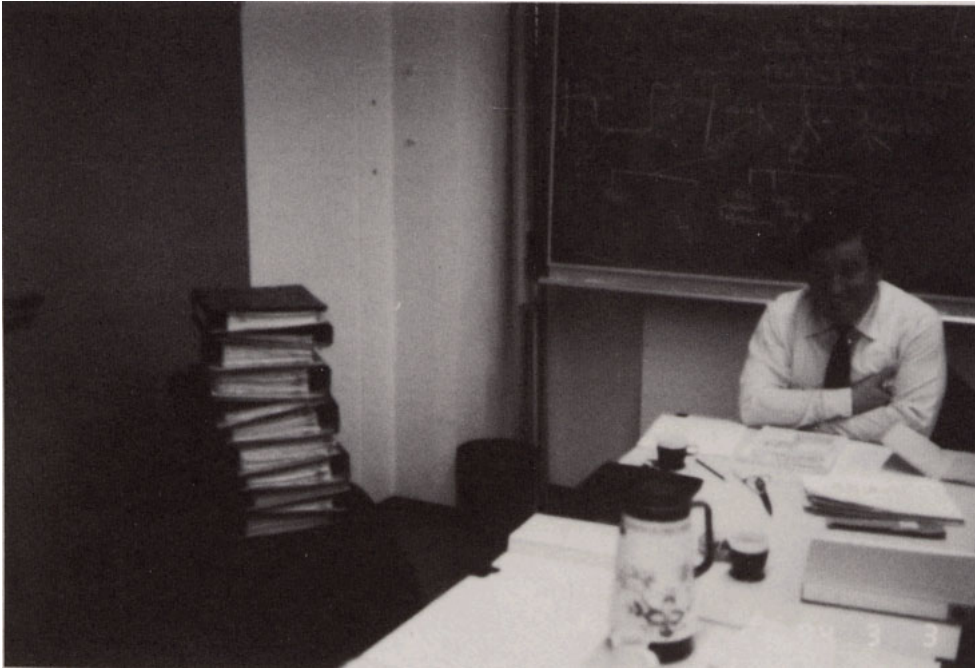It was a big honour and a great pleasure to have served as Chairman
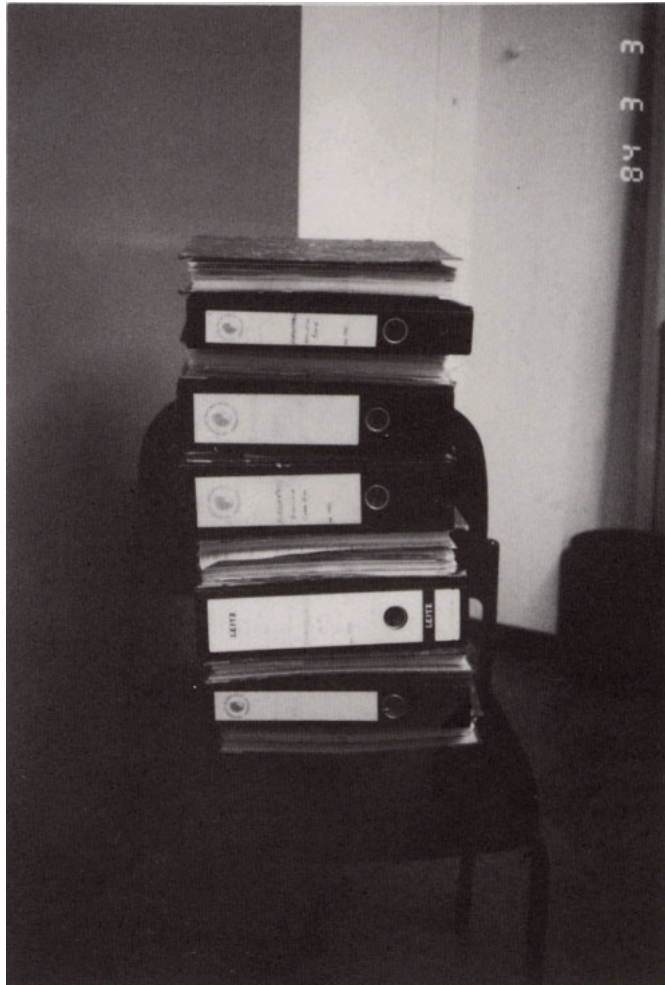of EUROGRAPHICS.

J. Encarnacao

Darmstadt, 1984
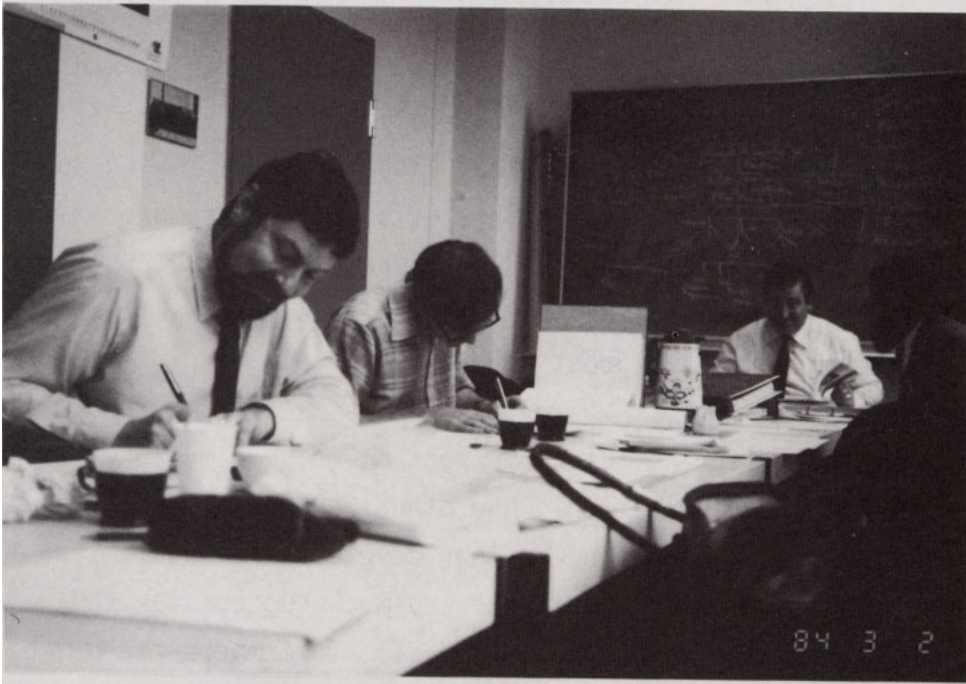
- A few tell-tale pictures taken during the
  preparation of the EUROGRAPHICS Five Years
  Report ...

... and the products from which
this report resulted!

THE EUROGRAPHICS ASSOCIATION

REPORT 1980 - 1984

<u>Contents</u> :

1. INTRODUCTION

1.1 Association Profile and Organogramme

What is EUROGRAPHICS?

EUROGRAPHICS, the EUROPEAN ASSOCIATION FOR COMPUTER GRAPHICS, was founded in 1980, to promote the advancement of computer graphics primarily in European countries. It is a non-profit making association, for individuals, groups and societies working in the area of computer graphics. Its formation was a natural result of the need to establish a forum for these activities taking place all over Europe.

Today, EUROGRAPHICS is a rapidly-growing association with approximately 1000 individual members.

EUROGRAPHICS Conference

The Association organises an annual EUROGRAPHICS conference, which is each year hosted by a different member country, this being the policy of the Association. The first conference was held in 1979. The conference programmes comprise tutorials, invited papers, submitted papers which go through a refereeing process and technical presentations (industrial programme). The latter are chosen following a typical call for papers procedure. There are other events in addition to the formal presentations; for example, product exhibitions, computer graphics art shows and panel discussions. Each of the sections (conference, tutorials, exhibitions) must make an individual profit for the conference as a whole to be successful. Proceedings of the conferences are published by the North-Holland Publishing Company. The three best papers are also published in Computers & Graphics" (Pergamon Press), Copies of the tutorial note can be purchased from the Secretary while stocks last. Since 1983, the tutorials have been published by Springer Publishing Company in a special EUROGRAPHICS book series.

The EUROGRAPHICS conferences have become true meeting places for computer graphics specialists not only from Europe, but from all over the world. They offer ample opportunity for establishing international , personal and professional contacts.

"Computer Graphics Forum"

The first issue of "Computer Graphics Forum", the official EUROGRAPHICS journal, appeared in 1982. This quarterly publication (also published by North-Holland Publishing Company) , reports on technical and industrial developments within computer graphics, as well as on events of importance to the computer graphics community.

Liaisons

To improve the exchange of information and ideas in the area of computer graphics, EUROGRAPHICS has established collaborations with a number of organisations and societies with similar aims. Furthermore, EUROGRAPHICS has helped to create new national computer graphics associations, local chapters or established contacts with existing ones. EUROGRAPHICS can help local organisations to set up their activities as well as providing material and programmes for local events,

Organisation

The supreme authority of EUROGRAPHICS is the General Meeting, In practice, the Executive Committee, which is elected by the General Meeting, is responsible for running the Association. This is a natural consequence of the international nature of the organisation. The Executive Committee consists of 15 to 21 members. The current 21 members come from 13 different countries.

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┌─────────────────────────────────────────┐
│        EUROGRAPHICS MEMBERSHIP           │
│                                          │
│   (Control based on Constitution, Bylaws │
│    General Meeting and letter ballots)   │
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┌──────────────────────────┐      ┌──────────────────────────┐
│    Executive Board       │      │  Executive Committee     │
│                          │      │                          │
│ Encarnacao (Chairman),   │      │  Bø,  Cugini,  Duce,     │
│ ten Hagen, Duce, Pellegrini, │  │  Encarnacao, Guedj,      │
│                          │      │  Hopgood, Kjelldahl,     │
│ Vandoni                  │      │  Lillehagen, Lucas       │
└──────────────────────────┘      │  Maréchal, Parslow,      │
                                  │  Pellegrini,Straßer,     │
                                  │  Sulonen, ten Hagen,     │
                                  │  Tucker, Turk, Valle,    │
                                  │  Vandoni, Warman, Weiss  │
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┌──────────────────────┐
│ EUROGRAPHICS Officers │
└──────────────────────┘
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EUROGRAPHICS OFFICERS

Supervised by the Chairman

(J. Encarnacao)

Officer for Constitution and Bylaws, Elections and Membership Care (K. Brodlie) Letter Ballots Elections for Executive Committee in 1981, 1982 and 1983 Block Elections in 1984	Officer for Technical Committees and Working Groups (G. Maréchal) WG1: Graphics Programming (Brodlie, Pfaff) WG2: Graphics in Networks (Egloff, Maréchal , Cugini, Turk) Workshop in Wenschdorf 1984 (Graphics Application Programming on top of GKS)

EUROGRAPHICS OFFICERS

Supervised by Vice-Chairman
(D. Duce)

Public Relations Officer
(U. Cugini)

EUROGRAPHICS leaflet

EUROGRAPHICS Report '80-'84

PR Booth at CAMP'83 and '84

Publications Officer
(G. Enderle)

Computer Graphics Forum
(North Holland: Duce,
Enderle)

EUROGRAPHICS Book Series
(Springer-Verlag)

- EG'83 Tutorial
- EG'84 Tutorial
- Seeheim Workshop
- Wenschdorf Workshop

Liaisons Officer
(M. Mantylä)

(among others) :

SIGGRAPH, National Computer
Graphics Association,
British Computer Society
German Computer Society (GI)

EUROGRAPHICSOFFICERS

Supervised by Vice-Chairman
(P. ten Hagen)

Officers for Conferences and Exhibitions (Annual Event) (R. Lindner, H. Tucker)	Education Officer (R. Hubbold)
EG'80 Geneva	Tutorials at EG'80, '81, '82, '83 and '84
EG'81 Darmstadt	
EG'82 Manchester	
EG'83 Zagreb	
EG'84 Copenhagen	GKS Seminars
EG'85 Nice	
EG'86 Lisbon	
EG'87 Benelux	EUROGRAPHICS-AMK Seminars: 1984
EG'88 Israel	Vienna ‾ Graphics Programming Stuttgart ‾ Graphics in Networks

The following are currently members of the Executive Committee:

K. Bø   (Norway)

U. Cugini   (Italy)

D.A. Duce   (UK)

J.L. Encarnacao   (FRG)

R.A. Guedj   (France)

F.R.A. Hopgood   (UK)

L. Kjelldahl   (Sweden)

F. Lillehagen(Norway)

M. Lucas   (France)

G. Maréchal   (Belgium)

R. Parslow   (UK)

C, Pellegrini   (CH)

W. Strasser   (FRG)

R. Sulonen   (Finland)

P.J.W.   ten Hagen (Netherlands)

H. Tucker   (Denmark)

S. Turk   (Yugoslavia)

G. Valle   (Italy)

C.E. Vandoni   (CH)

E. Warman   (UK)

J. Weiss   (Austria)

The EUROGRAPHICS Executive Board members are currently:

J.L. Encarnacao   (Chairman 1980-1984)

P.J.W.   ten Hagen   (Vice-chairman since 1982)

D.A. Duce   (Vice-chairman since 1983)

C. Pellegrini   (Treasurer since 1980)

C.E. Vandoni   (Secretary since 1980)

The EUROGRAPHICS Officers are currently:

K. Brodlie	(Officer for Constitution & Bylaws)
U. Cugini	(Officer for Public Relations)
G. Enderle	(Officer for Publications)
R. Hubbold	(Officer for Tutorials & Seminars)
R. Lindner	(Officer for Exhibitions)
M. Mantylä	(Officer for Liaison)
H. Tucker	(Officer for Conferences)
G. Maréchal	(Technical Committee)

1.2 Curricula Vitae of Executives and Officers

José L. ENCARNACAO is a Professor of Computer Science at the Technische Hochschule Darmstadt (Technical University of Darmstadt), Germany and head of its Interactive Graphics Research Group. He serves as a consultant to government and industry and has taught short courses for universities, associations and industrial groups in Europe and abroad. Encarnacao chaired the DIN activities from which the graphics standard GKS evolved. He is a member of the Executive Board of the Special Interest Groups for Computer Graphics and CAD within the German Gesellschaft fur Informatik (GI). He is the German representative at the IFI TC5 (Computers in Industry) and is a member of GI, VDE, ACM and ACM Siggraph. A native of Portugal who has resided in the Federal Republic of Germany since 1959, Encarnacao holds a diploma and doctorate in Electrical Engineering from the Technical University of Berlin. He began his work in Computer Graphics in 1967 at the TU Berlin and has held research and academic positions at the Heinrich-Herz Institut in Berlin and at the University of Saarbrücken.
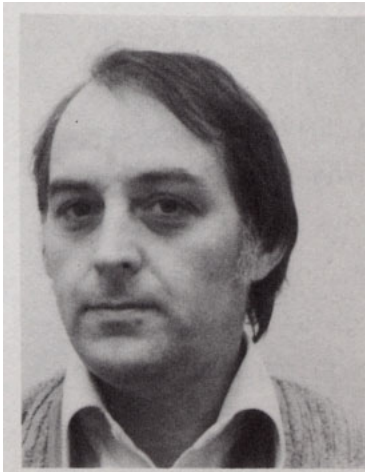
Paul TEN HAGEN has been a computer prog-
rammer since 1965. He is a researcher
at the Mathematical Centre in Amsterdam.
His main interests are interactive computer
graphics and dialogue programming. He is
a member of IFIP WG 5.2 on computer-aided
design, chairman of ISO TC97/SC5/WG2 on
Graphics and founding member of the
European Association for Computer Graphics.
He received an MSc in computer science
from the Free University in Amsterdam in 1972. As a member of
EUROGRAPHICS, ten Hagen holds the position of Vice-chairman.

David DUCE is employed by the UK Science
and Engineering Research Council .
Currently, he is coordinator of their
Distribute-   Computing Systems Programme
He has been involved in computer graphics
since 1975. He was head scribe at the
Seillac II Workshop in Methodology of
Interaction and is one of the editors of
the GKS document. He is co-author of
Introduction to the Graphical Kernel
System (GKS), Academic Press 1983. He
is currently Secretary of the BSI Computer Graphics Panel. He is
Vice-chairman of EUROGRAPHICS and a founding Chief Editor of Computer
Graphics Forum. He was the secretary of the EUROGRAPHICS UK
Chapter until April 1984.

Christian R. PELLEGRINI is a Professor of Computer Science in the Department of Informatics at the University of Geneva. After obtaining a degree in physics from the University of Geneva and holding a research position at CERN (the European Orgnisation for Nuclear Research), he joined the newly-established Department of Computer Science of the University as a research assistant. After doing a PhD. in Computer Science, he worked at the IBM Thomas J. Watson Research Center as a post-doctoral fellow. In 1980, he organised EUROGRAPHICS'80 and became a member of the Executive Board and of the Executive Committee of the EUROGRAPHICS Association. He has been involved in computer graphics since 1974 and has a special interest for interaction and artificial intelligence. Pellegrini is at present Treasurer of the EUROGRAPHICS Association.
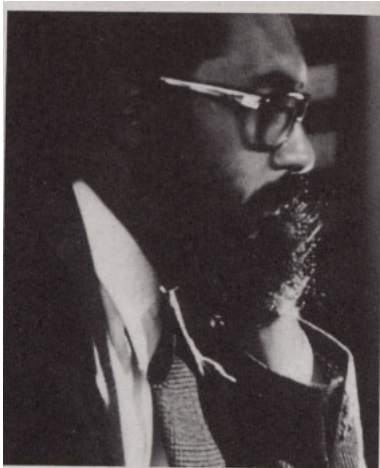
Carlo VANDONI was born in Milan, Italy in 1937, but has lived in Switzerland for the past 19 years. After attending courses at Milan University, in 1958 he joined Olivetti Electronics Research Laboratory, Milan, participating in the design and programming of the first computers designed and built in Italy, He was responsible for implementation of the basic software for medium-sized computers (assemblers , COBOL compilers, input/output systems, operating systems). In 1959, Vandoni joined the Data Handling Division of CERN, where he now works. In 1968 he designed and implemented the GAMMA system (Graphical Aided Mathematical

MAchine), a single-user interactive graphic system for mathematical
applications. He was then responsible for the design and
implementation of SIGMA (System for Interactive Graphical Mathematical
Applications), a system designed at CERN, specifically to cope with
the computer needs of mathematicians and theoretical physicists.
Since 1970, he has been continuously involved in activities related
to man-machine communication, computer graphics and terminal access
to computers. One of the first members of the Founding Committee of
EUROGRAPHICS at the Bologna Conference, Vandoni was Programme
Chairman of the Geneva Conference, Editor of EUROGRAPHICS'80
Proceedings and is a member of the EUROGRAPHICS Executive Board as
Secretary of the Association.
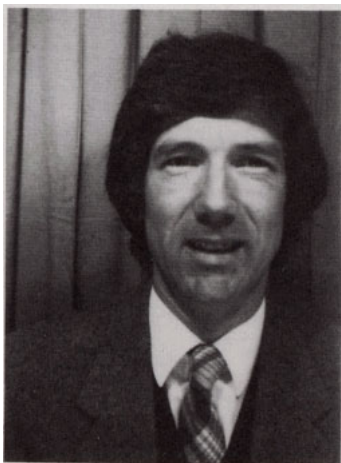
Ken BRODLIE studied at the Universities of
Edinburgh and Dundee where he obtained a
BSc and PhD in Mathematics. Having a back-
ground in numerical analysis, he became
involved in Computer Graphics in about
1975, developing an interest in mathematical
aspects of curve and surface drawing.
Brodlie helped to create the NAG Graphical
Supplement, a library of graphical routines
for use in conjunction with the NAG Library
of numerical and statistical routines. He
has played an active part in the standardisation of Computer Graphics
through the ISO and BSI Working Groups, taking a special interest in
the validation of GKS implementations. Brodlie helped to found the UK
Chapter of EUROGRAPHICS and became its first Chairman in the period
1982-1984. At Leicester University, Brodlie's job is to manage a small
Graphics Centre, providing a specialist Computer Graphics service for
staff and research students.
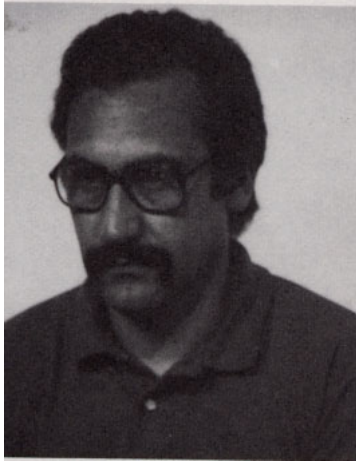
Umberto CUGINI received a Dott. Ing. degree in Mechanical Engineering from the Politecnico di Milano in 1966 and Postgraduate Diploma in Management and Business Administration from the Universita Bocconi in 1974. He is associate Professor of Machine Design at the Politecnico di Milano, where he is director of courses on CAD/CAM Systems, Computer Graphics and Geometric Modelling for postgraduates in the Programme of Continuing Education at the Politechnico di Milano since 1976. Cugini has been Italian representative at the European Economic Community in Technical Committees for CAD activities. He has been working in the CAD field mainly for mechanical engineering applications, since 1969 with research projects in the area of metal sheet constructions, CAD/CAM systems for the garment industry, interactive drafting systems, automatic reconstruction of technical drawings and integrated CAD/CAM Systems based on solid modelling techniques. He is currently Co-director with Prof. G. Valle, of project CADME, started in 1979, a national research project supported by C.N.R (National Research Council) for the development of an integrated CAD/CAM System based on solid modelling. He is a member of ACM Siggraph, IEEE, SID, AICA, IFIP WG5.2, has been Chairman of the ACM Italian Chapter and Chairman of the Organising Committee of the EUROGRAPHICS'79 Conference.
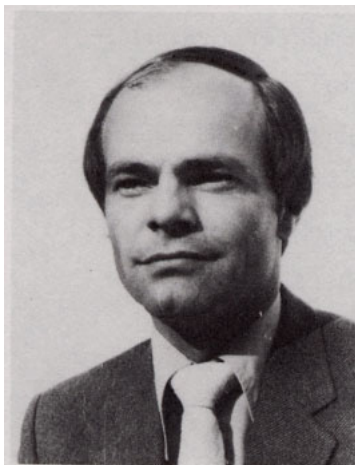
Günter ENDERLE received Dipl.-Ing. (MS) in Communication Engineering in 1971 from the University of Karlsruhe and Dr.-Ing. (PhD) in Engineering from the same university in 1975. He has been a Senior Research Officer at Karlsruhe Nuclear Research Centre since 1971. He is Group Leader for Computer Graphics and CAD, atomic design, implementation and application support of graphics and CAD tools for research and development. He has contributed signific-

antly to the design of the Graphical Kernel System and its national and international standardisation. Since 1981, Enderle has been Chairman of the DIN Committee NI-5.9 "Computer Graphics", a member of ISO Working Group 97/5/2 "Computer Graphics". He has been a EUROGRAPHICS member since 1980, Computer Graphics Forum Editor since its creation and Chief Editor since 1983. Also since 1983, Enderle has been EUROGRAPHICS Officer for Publications and has started the EUROGRAPHICS book series: "EUROGRAPHICS seminars ⁻ Tutorials and Perspectives in Computer Graphics".
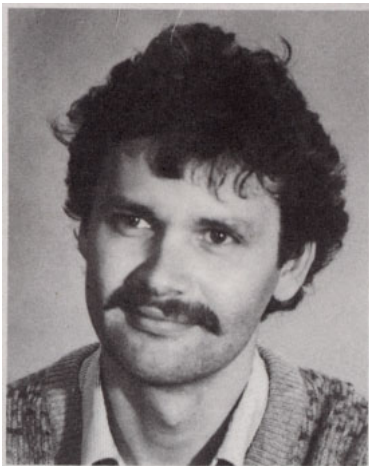
Roger HUBBOLD is Director of the Computer Graphics Unit at the University of Manchester, where he has been responsible for the development of an extensive and powerful computer graphics system supporting a large number of research projects in many different disciplines. He obtained his B.Sc. and Ph.D. degrees from the University of Leicester in 1967 and 1971 respectively. He has been involved in computer graphics since 1967, originally in the use of interactive graphics for CAD in civil and mechanical eingineering and more recently in a variety of applications ranging from interactive medical treatment planning to computer mapping. His current interests include generation of coloured shaded images and software for improved man-machine interfaces. He was Tutorial Chairman of the EUROGRAPHICS'82 conference and is currently the Association's Officer for Tutorials and Seminars.
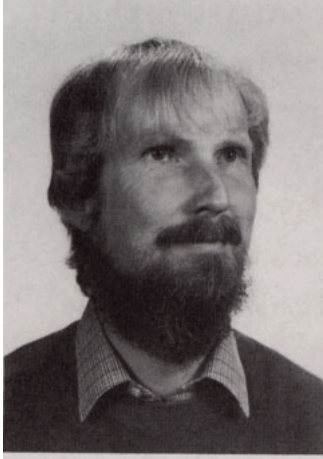
Rolf LINDNER is a research assistant with the Computer Science Department at the Technische Hochschule Darmstadt. From 1971-1972, he worked with the Computer Science Department of the Technische Universität Berlin and from 1972-1974 with the Computer Science Department of the Universität des Saarlandes. His research interests include computer graphics, especially for raster devices and special purpose and multiprocessor architectures. Lindner received his diploma in electrical engineering from the Technische Universität Berlin and his doctorate in engineering from the Technische Hochschule Darmstadt. He is a member of the German chapter of the ACM and of EUROGRAPHICS, as Officer for Exhibitions.
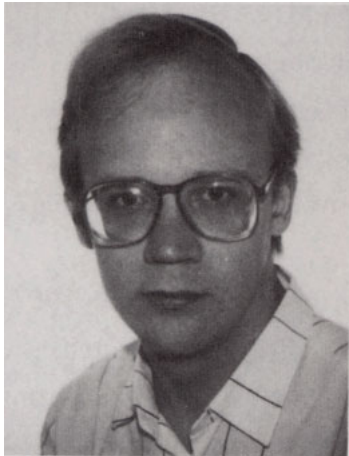
Martti Mäntylä is an assistant professor with the Laboratory of Information Processing Science at the Helsinki University of Technology, Finland. In 1983-1984, he was also a visiting scholar with the Computer Systems Laboratory at the Stanford University. Since 1980, Mäntylä has worked actively in computer graphics as a member of the research team of CAD systems at the Helsinki University of Technology. His field of speciality is solid modelling and he has published several papers on the subject. Mäntylä holds a doctorate in computer science from the Helsinki University of Technology. He is a member of ACM, IEEE and the EUROGRAPHICS Association,

Hugh A. TUCKER received his academic education in Canada, following which he moved to Denmark, where he has for the past 12 years been actively involved in academic and industrial research and development. He has been involved with computer graphic systems as a user, lecturer, designer and consultant since 1972. Tucker is a long standing member of IFIP WG5.2 on CAD, through which he has become well-known for his work as an editor of the Seillac I and II Workshop proceedings. He is a member and officer of the EUROGRAPHICS Association Executive Council and this year is responsible for the organisation of EUROGRAPHICS' 84 in Copenhagen. Tucker is a well-known international consultant and lecturer in computer graphics, user interfaces and CAD.

Guy MARECHAL received an "Ingénieur Civil" degree in Electronics and Computer Science from the Montefiore University, Liege, Belgium in 1961. He has been Technical Project Leader for the design and development of the multinational Philips' Concern project, ARCADE (Architecture for CAD in Electronics) since 1979 and Chief Engineer of the Factory Engineering Division of Philips & MBLE Associated (P&MA), since 1978. Maréchal joined the Philips Concern in 1963, to develop scientific equipment such as parametric amplifiers, nuclear measuring devices, failsafe systems, etc. during the following 8 years. In 1972, he joined UNIDATA development group and became Technical Leader of the U 7.720 computer series. His current research interests include Configuration Management, Hard and software System Engineering, CAD, in particular architectures, Data Base Systems, Methodology of Interaction, to name just a few.

2. THE FOUNDATION OF THE EUROGRAPHICS ASSOCIATION

Between 1974 and 1979, several initiatives were started in Europe to form a group primarily for European technical experts interested in Computer Graphics. The first firm proposals to found a European Association for Computer Graphics were made at the conference held in Bologna (Italy). A Founding Committee was set up in 1979 at the Bologna Conference and the Association was formally constituted in spring 1980. The founding of the Association is the result of the efforts of many people, especially those of José Encarnacao and Giorgio Valle. Bob Hopgood and Paul ten Hagen were also very strongly supportive in the founding phase of the Association.

Created by Europeans, the Association addresses itself mainly to the European Computer Science and Computer Technology community, in particular to those involved in Computer Graphics. The seat of the Association is in Geneva, Switerland.

In the following pages, are printed some documents related to the founding activities.
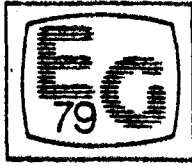
INTERNATIONAL CONFERENCE AND EXHIBITION
EUROGRAPHICS 79
PALAZZO DEI CONGRESSI - BOLOGNA - ITALY
25-27 OCTOBER 1979

sponsored by

A C M
Italian Chapter

in cooperation with
ACM SIGGRAPH
ECI European Co-operation in lnformatics

and support from
CNR - Comitato per I'lngegnerla
European Research Office-US Army

CONFERENCE COMMITTEE

Conference ChaiArmen

GlORGlO VALLE
istituto di Elettronica
Facoita di lngegneria
Universltà di Bologna
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40136 BOLOGNA, Italy

Organizing Committee Chairman
UMBERTO CUGlNl
lstituto di Disegno
di Macchine
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20133 MILANO, Italy

Program Chairman
KETIL BØ
RUNIT Computing Centre
at the University of frondhelm
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Michael J. Wozny
Troy, U.S.A.

EUROGRAPHICS	Report 1980-1984
ASSOCIATION	Fig. 1
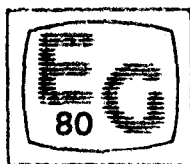
INTERNATIONAL CONFERENCE AND EXHIBITION

EUROGRAPHICS 80

UNIVERSITY OF GENEVA (SWITZERLAND)3-5 SEPTEMBER 1980

Organized by **EUROGRAPHICS ASSOCIATION**

Sponsored by	in cooperation with
ASSOCIATION SUISSE POUR L'AUTOMATIQUE (ASSPA) -SectionGenevoise	UNIVERSITY OF GENEVA
	EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH
IFIPW G 5.2	(CERN)

CONFERENCE COMMITTEE

Honorary Chairman
Bernard Levrat
University of Geneva

Organization Chairman
Christian Pellegrini
University of Geneva

Conference Co-Chairmen
Ernest Warman
Chairman IFIP W G 5.2

Francois Muller
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Economic Commission for Europe

Exhibition Chairman
Derek Ball
CERN

Programme Chairman
Carlo E.Vandoni
CERN

Tutorial Chairman
Paul ten Hagen
Slichting Mathematisch
Centrum, Amsterdam

PROGRAMME COMMITTEE

Carlo Vandoni, CERN
Jan Amkreutz, The Netherlands
Ketil Bø, Norway
Peter Bono.USA
Umberto Cugini, Italy
Jose Encarnacao, FRG
Hazime Enomoto, Japan
Richard Guedj, France
Bertram Herzog, U.S.A.
Robert Hopgood, U.K.
Michel Lucas, France
Francois Muller, United Nations
Klaus Paseman, FRG
George Szanto, Hungary
Paul ten Hagen, The Netherlands
Stanko Turk, Yugoslavia
Giorgio Valle, Italy
Ernest Warman. U.K.
Johann Weiss, Austria

EUROGRAPHICS ASSOCIATION

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Fig. 2
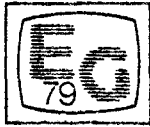
Bologna, 1 November 1979

MINUTES OF THE FIRST COMMITTEE MEETING OF THE EUROPEAN COMPUTER

GRAPHICS ASSOCIATION (EUROGRAPHICS)

1) The meeting was held on October 26th 1979 at the Congress Hall,
   Bologna, Italy.

2) In attendance were: K. Bø, U. Cugini, J. Encarnacao, P. Ten Hagen,
   M. Lucas, K Passeman, C. Pellegrini, G. Valle, E. Vandoni, E.
   Warman.

3) The meeting was opened by G. Valle who outlined the objectives
   and reasons for the formation of the EUROGRAPHICS Society.

   It was agreed that EUROGRAPHICS was to become the European Special
   Interest Group for Computer Graphics.

   Discussion occurred as to the constitution of the association. It
   was agreed that the association would be incorporated in Geneva,
   Switzerland and that the constitution of the European Physical
   Society would form as a model for the EUROGRAPHICS constitution.
   Discussion took place as to whether there should be both a President
   and a Chairman. This was resolved by appointing the following as the
   founder officiers of the association who would attend to the consti-
   tutional detail at a future meeting to be held in Geneva on the 12th
   of November 1979. The founder officers were: K. Bø, J. Encarnacao,
   R. Hopgood, G. Valle. It was agreed that C. Vandoni would continue
   to work on the legal aspects of the constitution. In addition to the
   people present at the meeting the following were nominated as members,
   so that the complete list is:

   K. Bø,   , J. Encarnacao, K. Passemann, P. ᵀen Hagen,
   J. Weiss, R. Hopgood, E. Warman, G. Valle, U. Cugini, C. Vandoni,
   C. Pellegrini, M. Lucas, R. Guedj, J. Hatvany,B. Tamm, Kiesewetter,
   S. Turk, F. Muller.

4) EUROGRAPHICS 80.

   This is to be held at the University of Geneva, Switzerland, on
   September 3 -5, 1980 and will be preceded by two days when tutorials
   will be held. A drft call for papers was produced, and was refined
   later during the day in order that it could be issued with the utmost
   urgency (see attachment).

5) Date of next meeting.The next meeting will be held at the University
   of Geneva on 12th November 1979 at 9.00 a.m. The address is: Centre
   Universitaire d'lnformatique, 24 rue General Dufour, 1214 Geneve 4.
   For additional information call Cristian Pellegrini, University of
   Geneva, Faculty of Sciences, Tel. (022) 209333. All committee members
   were urged to make every effort to attend.

EUROGRAPHICS | Report 1980–1984

ASSOCIATION | Fig. 3

Uw referenlie
Datum
Onza referentie PtB/WS
Datum November 29, 1979

Dear Eurographics Founding Member,

This letter proposes an assignment of functions to the various members of the
first executive board of our association. In the Geneva meeting of November
12, there was not enough time to find a way out of the several alternatives
offered. I have discussed this matter with Ketil Bø, José Encarnacao, Bob
Hopgood and Giorgio Valle and they all agree with the solution offered.

The solution describes the executive board as it should become effective
at the next Eurographics conference 1980 in Geneva and it describes the
procedure for achieving this.

The Executive board will be constituted as follows

Chairman	Coordination and Liaisons	José Encarnacao
Vice-chairman	Planning of Teaching activities, Conferences and Workshops	Giorgio Valle
Vice-Chairman	Newsletters and Publications	Bob Hopgood
Secretary		Francois Muller
Treasurer		Christian Pellegrini
Member		Umberto Cugini Carlo Vandoni Paul ten Hagen Ketil Bø

The procedure for achieving this should be

1) The members of the Founding Committee comment on this proposal.
   No answer to this letter until Dec. 25th, 1979 means the acceptance
   of the proposed.

2) The Founding Committee acts as a preliminary Executive Committee until
   Eurographics'80 in Geneva, based on the structure proposed. The spokesman
   of the Founding Committee is Giorgio Valle.

3) The founding Committee proposes to the first plenary meeting of
   Eurographics 1980 in Geneva the herewith proposed Executive Board as a
   package.

Counting on your contribution to a sucessful founding of Eurographics and
looking forward to your answer.

Paul ten Hagen

EUROGRAPHICS	Report 1980–1984
ASSOCIATION	Fig. 4

CERN

Minutes of the Meeting of the Eurographics 80 Program Committee
held in Peterbourough on March 27, 1980

Present : J. Amkreutz, R. Guedj, J. Encarnacao, R. Hopgood, F. Lillehagen
(representing K. Bø), P. ten Hagen, S. Turk, G. Valle, C.E. Vandoni,
E. Warman.

Some news on the Organization of the Conference and on the foundation
of the Association were reported and discussed.

1. Foundings of Eurographics

Report by Vandoni.

So far 180 people have responded to the questionnaire. A few mispelling
in the draft constitution were indicated. Article 1, paragraph 1 should
read : "...Association for Computer Graphics...". It was decided to
remove article 1.3 from the constitution (if this is possible according
to Swiss law) and it will reappear in the by-laws in a less strong
form, e.g. "English is recommended as working (or official) language".

Further modifications :

Article 2, paragraph 1 ‾ suppress : "and in neighbouring countries".

Article 15,-paragraph 1 ‾ replace : "nine" by "a minimum of 15 to a maximum
of 21".
-paragraphs 4 and 5 ‾ replace "three" by "one third" (all the
phrasing of the article to be carefully checked).

Article 16, paragraph 3, comma 1) ‾ replace with : "accept donations to
the Associations".

Vandoni, Pellegrini and Muller are charged with the legal establishment of
the Association in Geneva as soon as possible. Twenty-one people are
nominated as first Executive Conunittee, being a broad European represen-
tation (see list at the end). Several of these still will have to be asked
(action Encarnacao). He will also draft a letter and 3 press release
about the Association for the next meeting. In accordance with the proposal
by ten Hagen, the following officers were nominated :

./.

EUROGRAPHICS ASSOCIATION

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Fig. 5A

```
- Encarnacao  (Chairman)
- Valle       (Vice chairman)
- Hopgood     (Vice chairman)
- Muller      (Secretary)
- Pellegrini  (Treasurer)
```

Valle indicated that he might not be able to serve full time as vice chairman due to many assignments in his Institute.

2. Organization of Eurographics 80

Sponsors are : Eurographics Association
               IFIP WG 5.2
               UN (Economic Commission for Europe) (action Muller)

Cooperation/support will be announced with : (preliminary)

               University of Geneva
               CERN
               Swiss Chapter of ACM
               ASSPA

Twenty firms will probably be present at the exhibition (details will follow soon).   IPC press will probably participate in the exhibition.

Budgets : to be finalized for the next meeting. No major financial problems are envisaged for the moment.

The social events during the conference will be :

- a reception at the State Council of Geneva
- a boat trip on Lake Geneva

It was decided to have the Eurographics GeneralMeting on the second evening and not on the last one.

On Saturday morning, a visit to CERN premises could be organized.

All participants will receive a map of the conference area as well as information on how public transportation works.

The next meeting will be at CERN, on 18th of April. Vandoni to send out information a.s.a.p.   (mail problems !).

Encarnacao offered a schedule for Eurographics 81; the plan is accepted.
He will receive an official letter about it from the Eurographics Association.

EUROGRAPHICS ASSOCIATION	Report 1980—1984
	Fig. 5B

<u>Minutes of the</u>

<u>Executive Committee (EC) Meeting of the</u>

<u>EUROGRAPHICS Associate</u>

Date: 03.09.1980   <u>Present</u> K. Bo
                                                 U. Cugini
Time :   over dinner   J. Encarnacao
                                                 R. Guedj
Location: Geneva (during EG'80)   P. ten Hagen
                                                 B. Hopgood
                                                 F. Lillehagen
                                                 F. Muller
                                                 Ch. Pellegrini
                                                 H. Tucker   (Guest)
                                                 S. Turk
                                                 G. Valle
                                                 C. Vandoni
                                                 E. Warman
                                                 J. Weiss

The Agenda for this meeting was distributed to all EC.Members
beforehand.

<u>ad 1:</u> J. Encarnacao reports

- ONLINE letter *(Aug. 22, 1980)*
  Recommendation:
    E. Warman should negotiate with ONLINE based on the
    restrictions formulated by the Board

- State of the 1st Newsletter will be mailed soon by F. Muller.

<u>ad 2:</u> <u>1st Newsletter</u>

        will include
            Constitution
            By-Laws
            Bank account of the Association

    <u>Future events</u>

        EG ' 81 - Darmstadt (FR of Germany; J. Encarnacao)
        EG ' 82 - U. K.   (E. Warman)
        EG ' 83 - Jugoslavia (tentative) (S. Turk)
        EG ' 84 - Scandinavia (tentative) (K.Bø,F.Lillehagen, H.Tucker)

EUROGRAPHICS	Report 1980–1984
ASSOCIATION	Fig. 6

Eurographics Newsletter

April 1981

Dear Member of the EUROGRAPHICS Association,

From 1974 to 1979 several initiatives were developed in Europe to start a group for (European) technical experts interested in Computer Graphics. The aim was to start something similar to the ACM-SIGGRAPH. to contribute to and promote the advancement of Computer Graphics primarily in Europe.

Curing the conference "Interactive Techniques in Computer-Aided-Design" 1978 in Bologna, Italy, it was decided to have the next conference in 1979 entitled EUROGRAPHICS '79 and to speed up the process of starting an EUROGRAPHICS Association, as the European Association for Computer Graphics. During EUROGRAPHICS '79 a first foundin meeting took place in Bologna, Italy, a second, in Geneva, Switzerland (November 1979), and a third one in Peterborough, United Kingdom (March 1980).

The EUROGRAPHICS Association supports, in the first place, intensive information exchange, cultivation of personal contacts and cooperation with interested groups of other organizations. In this context the publication of a newsletter is of major relevance. F. Muller has volunteered to be the editor of the EUROGRAPHICS Newsletter. We wish him good luck and success. This is the first issue of the Newsletter, a second is planned for June 1981, the third issue will be out by EUROGRAPHICS '81 in Darmstadt. Four issues a year with technical contributions, surveys and tutorials, project information, national reports, personal profiles, calendar of events, etc. are planned.

We hope that these Newsletters become a relevant professional support from the EUROGRAPHICS Association to its members.

J. Encarnacao   B. Hopgood   G. Valle

EUROGRAPHICS ASSOCIATION	Report 1980–1984
	Fig. 7A

From 1974 to 1979 several initiatives were developed in Europe to start a group for European experts interested in Computer Graphics. The aim was to start something similar to the American ACM-SIGGRAPH, in order to contribute to the advancement of Computer Graphics in Europe.

During the Conference "Interactive Techniques in Computer-Aided-Design" 1978 in Bologna, Italy, it was decided to have the next conference in 1979 entitled EUROGRAPHICS '79 and to try to speed up until then the process of starting an EUROGRAPHICS-Association for Computer Graphics.

In 1980, EUROGRAPHICS was registered as the European Association for Computer Graphics. Based on article 26/1 of the draft Constitution and the decisions in the previous meetings the 1st Executive Committee was elected as follows:

J. Encarnacao (Chairman), B. Hopgood (Vice-chairman), G. Valle (Vice-Chairman), F. Muller (Secretary) and C. Pellegrini (Treasurer).

During the international conference and exhibition EUROGRAPHICS '80, the draft constitution was distributed to the members of the association for consideration and comments.

CONSTITUTION

as accepted by the first General Meeting held In Geneva on September 4, 1980.

1, NAME ‑ DURATION‑ *SEAT* ‑ PURPOSE

ARTICLE 1

1 Under the name of European Association for Computer Graphics (EUROGRAPHICS) *an* association organized and incorporated; it is governed by Article 60 and the following articles of the Swiss Civil Code, and by the present Constitution.

2 Its duration shall not be limited.

3. Its seat is in Geneva, Switzerland.

ARTICLE 2

1 The purpose of the Association is *and* shall be to contribute to and promote the advancement of computer graphics primarly In Europe, by all suitable means and in particular

a) by providing a forum for the discussion of subjects of *common* interest;

b) by providing means whereby action can be taken on those matters which it appears desirable to handle on the international level;

c) by establishing relations with ocher similar associations national or international;

d) by issuing a newsletter on current and future events *and* developments.

2 *In* order to fulfil its purpose, *the* Association shall act either directly or through its members or through specialised groups created by its members.

If. MEMBERSHIP

ARTICLE 3

The membership of the Association shall consist of Ordinary Members, Fellows, Associate Members and Honorary Members.

ARTICLE 4

The following individuals legal persons or bodies may become Ordinary Members of the *Association* :

a) individuals who have shown by their contribution to computer-graphics, by their professional activity or otherwise, to the Executive Committee' satisfaction, that they can further the cause and object of the Association;

b) societies, groups or Laboratories which, in the Executive Committee's opinion, make a significant contribution to computer graphics;

c) individuals who are members of a society group or laboratory which *has* been accepted as *an* Ordinary Member of EUROGRAPHICS.

ARTICLE 5

The Association *may* elect to Fellowship only such individuals as *have* made a significant contribution to the advancement of computer graphics by independent original research or have rendered some other special service to the Association.

ARTICLE 6

The Association may also *admit* Associate Members and Honorary Members who shall have the rights and privileges determined by the by-laws.

ARTICLE 7

The procedure for the election of members is regulated by the by-laws.

EUROGRAPHICS ASSOCIATION

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Fig. 7B

JOIN EUROGRAPHICS , THE EUROPEAN ASSOCIATION FOR
COMPUTER GRAPHICS

Excerpt from ARTICLE 2 of the constitution:

The purpose of the Association is and shall be to contribute to and promote
the advancement of computer graphics, primarily in Europe, by all suitable
means and in particular:

a) by providing a forum for the discussion of subjects of
common interest;

b) by providing means whereby action can be taken on those
matters which it appears desirable to handle on the inter-
national level ;

c) by establishing relations with other similar associations
national or international ;

d) by using a newsletter on current and future events and
developments .

The annual fee is 25 SFr. Please use the following Bank Account:

Eurographics Association
Account No. 282.107.00 K
Union Bank of Switzerland
8, Rue du Rhone, Case postale
1211 Geneva 11 / Switzerland

The Executive Committee was elected during the General Meeting on September
4, 1980, during EUROGRAPHICS'80 in Geneva. Members are:

J. Amkreutz, K. Bø, U. Cugini, J. Encarnacao, R. Guedj, J. Hatvany, R. Hopgood,
F. Lillehagen, M. Lucas, F. Muller, K. Pasemann, Chr. Pellegrini, M. Quirino,
R. Sulonen, P. ten Hagen, S. Turk, G. Valle, C. Vandoni, E. Warman, J. Weiss,
M. Zgorzelski .

The Executive Committee appointed in the following Executive Board:

Chairman: J. Encarnacao
Vice-Chairmen: 8. Hopgood, G. Valle
Secretary :   F. Muller
Treasurer: Chr. Pellegrini

The association-is open for membership to individuals, groups and institutions.
for further information contact:

EUROGRAPHICS ASSOCIATION
P.O. Box 199
1211 Geneva 16 /Switzerland

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	Fig. 8

Journal of the European Association for Computer Graphics

COMPUTER GRAPHICS
FORUM

NORTH-HOLLAND

VOLUME 1 NO. 1 MARCH 1982

EUROGRAPHICS
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Fig. 9A

Editorial Policy. Computer Graphics Forum is a European Journal presenting the theory and practice of computer graphics. Its primary objectives are:
Dissemination of research results and of engineering developments to European groups (academic and industrial) and individuals;
Reporting Standardisation activities.

The editorial policy and the technical content of the Journal are the responsibility of the Chief Editors, in consultation with the Editors. The Chief Editors are appointed by the EUROGRAPHICS Board.

Scope. COMPUTER GRAPHICS FORUM covers all aspects of the theory and practice of computer graphics. It features original research work, tutorial and review articles, and accounts of practical developments and applications. It also reports on activities of the EUROGRAPHICS Association and other graphics *events.* It is intended *for the* rapid *dissemination* of knowledge and *experience* to workers in the field of computer graphics.

Membership and Circulation Information. COMPUTER GRAPHICS FORUM is published quarterly and is the official publication of the European *Association* for Computer Graphics (EUROGRAPHICS) .For individual membership of the Association, please refer to *the* inside back *cover.*

Circulation enquiries should be addressed to Drs W. Dijkhuis, North-Holland Publishing Company. Molenwerf 1. 1014 AG Amsterdam, The Netherlands.

Advertising. Enquiries should be addressed to Drs W. Dijkhuis, North-Holland Publishing Company. Molenwerf 1, 1014 A G Amsterdam,The Netherlands.

Invitation to Prospective Authors. The Editors welcome contributions on all aspects of computer graphics. Contributions can be submitted to either of the Chief Editors (addresses above).

Published for the European Association for Computer Graphics by the North-Holland Publishing Company, Molenwerf 1, 1014 A G Amsterdam,The Netherlands.

EUROGRAPHICS ASSOCIATION

| Report 1980–1984 |
| Fig. 9B |

3. CURRENT STATUS

3.1 Membership

The members of the EUROGRAPHICS Association numbered 970 on the 29th of February, 1984. EUROGRAPHICS started with a membership of about 350 in 1980, which went up regularly to over 1000, with a maximum of 1113 in December 1982. The main reason for these fluctuations in the number of members is that the Conference registration form formerly allowed people to automatically join the Association on registering for the Conference. In some cases, people have unwittingly taken advantage of this and have then not renewed their membership the following year.

Country of Origin

Current composition of the membership is:

AUSTRALIA	1	FINLAND	12
AUSTRIA	14	FRANCE	25
BELGIUM	13	DDR	5
BRAZIL	6	F R GERMANY	235
BULGARIA	4	HONG KONG	1
CANADA	3	HUNGARY	11
CZECHOSLOVAKIA	6	INDIA	3
DENMARK	16	IRELAND	2
ISRAEL	3	SAUDIA ARABIA	1
ITALY	41	SPAIN	6
JAPAN	8	SWEDEN	32

MEXICO	1	SWITZERLAND	42
NETHERLANDS	64	UNITED KINGDOM	255
NORWAY	31	USSR	1
POLAND	5	UNITED STATES	25
PORTUGAL	8	YUGOSLAVIA	90

3.2 Finance

The EUROGRAPHICS Association was officially established during the
EUROGRAPHICS'80 conference held in Geneva, in September 1980. Before
this event, the Association had no finances. Initially, the
EUROGRAPHICS Association was financed from the profit made during the
EG'80 event.

The profit was essentially made by the industrial exhibition and it gave
an asset of 50,000 Swiss Francs to the Association. Following the success
of EG'80; EG'81 which was held in Darmstadt, F R Germany, was an even
greater success, following which event the Association had assets amounting to
100,000 Swiss Francs. After these two good periods, EUROGRAPHICS
organised EG'82 in Manchester, UK and EG'83 in Zagreb, Yugoslavia. Even if
from a scientific point of view, these two events were on the same level as
the previous ones, from a financial point of view, they were not as good as
expected. Since 1982, the working budget of the Association has essentially
been supported by the membership fees.

The present budget situation of the EUROGRAPHICS Association
follows:

(All the amounts are in Swiss Francs)

Expenditure

Secretariat	22,000.--
Local activities	5,000.--
Representation of EUROGRAPHICS Association	5,000.--
Special activities (publication, etc.)	10,000.--
EUROGRAPHICS conference	40,000.--
Officers' budget	5,000.--
Contingency	2,000.--

Income

Membership fees (based on fee of SFr.25.--)	30,000.--
Miscellaneous	20,000.--

The Assets of the EUROGRAPHICS Association as at the end of February 1984 amounted to:

98,190.36 SFr

3.3 Computer Graphics Forum (CGF)

CGF superseded the previous EUROGRAPHICS NEWSLETTERS , published in 1981. CGF is the official journal of the European Association for Computer Graphics. The Chief Editors for Volume 1 (1982) and Volume 2 (1983) were P.J.W. ten Hagen (Netherlands) and D.A. Duce (UK) respectively. Commencing with Volume 2 No. 4, the Chief Editors are G. Enderle (F.R. Germany) and D.A. Duce. The present Editors of CGF are:

Graphics Algorithms

K.W. Brodlie (Leicester, UK)

P. Comninos (Teeside, UK)

U. Cugini (Milan, Italy)

R. Sulonen (Helsinki, Finland)

Languages

G. Krammer (Budapest, Hungary)

R. Gnatz (Munich, F.R. Germany)

G. Schrack (Vancouver, Canada)

systems

W. Strasser (Darmstadt, F.R. Germany)

R. Sulonen (Helsinki, Finland)

L. Kjelldahl (Stockholm, Sweden)

Interaction

R.A. Guedj (Paris, France)

D.A. Duce (Didcot, U.K.)

Raster Graphics

D.B. Arnold (E. Anglia, UK)

P. Comninos (Teeside, UK)

W.T. Hewitt (Manchester, UK)

Applications

F. Lillehagen (Oslo, Norway)

J.L.Encarnacao (Darmstadt,
                          F.R. Germany)

Standards

G . Enderle (Karlsruhe, F.R. Germany)

P.J.W. ten Hagen (Amsterdam, Nether-
                          lands)

Overseas Editors

A. Beraldo (Sao Paulo, Brazil)

F. Kimura (Tokyo, Japan)

G. Leon Lastra (Cuernavaca, Mexico)

T. Mikami (Kawasaki, Japan)

S. Mudur (Bombay, India)

G. Schrack (Vancouver, Canada)

Editorial Policy

CGF is an international journal presenting the theory and practice of computer graphics. Its primary objectives are: dissemination of research results and of engineering developments to academic and industrial groups and individuals; reporting standardisation activities and activities and events related to computer graphics.

The editorial policy and technical content of the Journal are the responsibility of the Chief Editors, in consultation with the Editors. The Chief Editors are nominated by the EUROGRAPHICS Executive Board.

Scope

CGF covers all aspects of the theory and practice of computer graphics. It features original research work, tutorial and review articles and accounts of practical developments and applications. It also reports on activities of the EUROGRAPHICS Association and other graphics events. It is intended for the rapid dissemination of knowledge and experience to workers in the field of computer graphics.

CGF has evolved from a newsletter of the EUROGRAPHICS Association, to a professional journal of outstanding technical quality. To emphasize the technical content of the journal and in line with the practice of the journals of other professional associations, CGF has three main sections: Section 1 contains technical papers, Contributions on all aspects of computer graphics from all over the world are published in this section,

All papers undergo a thorough refereeing process.

Section 2 includes reports and announcements of important computer graphics events, meetings, workshops and conferences. It also has a book review section, the Editor of which is David Arnold of the University of East Anglia (UK), In Volume 3, it is intended to start an algorithms section which will present computer graphics algorithms in a standard form, both old, but still useful algorithms, as well as new algorithms.

Section 3 is the EUROGRAPHICS section, Continuing along the path on which the EUROGRAPHICS Newsletter started four years ago, and based on its scope and purpose defined by the EUROGRAPHICS Executive Committee, it reports on all aspects of EUROGRAPHICS activities. Its kernel is the publication of reports from the EUROGRAPHICS Executive Board, Executive Committee and General Meeting. Here also, the Officers report on their activities. This section is the forum for communication between the EUROGRAPHICS Executives and Officers and the EUROGRAPHICS membership.

Special attention is given in all sections of CGF to European activities and to their interrelation to developments in other countries, especially in America and Japan. "CGF" is intended to be an international journal, with one focal point on Europe.

CGF is published for the European Association for Computer Graphics by the Norht-Holland Publishing Company, Molenwerf 1, 1014 AG Amsterdam, The Netherlands.

3.4 Cooperation with AMK Berlin

EUROGRAPHICS has entered into a Cooperation Agreement with Ausstellungs-Messe-Kongress-GmbH (AMK) Berlin, F.R. Germany, for the period of 1984-1987. EUROGRAPHICS receives a certain income each year until 1987 (because of the conflicting dates with CAMP) and shares fifty per cent of the receipts of jointly organised courses, These "courses" do not include workshops and seminars aimed at the scientific community (for example, GKS tutorials); the Agreement places no restrictions on the freedom of EUROGRAPHICS to run such events.

The AMK contribution is:

1. AMK Berlin will provide EG at CAMP '84-'87, with a free booth of ten square metres, for promotional purposes;
2. AMK Berlin will grant to all EG members, a reduction of ten per cent on the net conference and tutoriaal fee for CAMP '84-'87;
3. AMK Berlin will provide EG with two free one page advertisements each year in the CAMP Exhibition Catalogue;
4. AMK Berlin will organise for EG, two courses in Western Europe during 1984, three in 1985 and four in 1986 and 1987.

3.5 Cooperation with Springer

Springer will start for EUROGRAPHICS, a "EUROGRAPHICS Book Series". A cover layout with the name of the series ("EUROGRAPHICS Series", or EUROGRAPHICS Monographs") and the EUROGRAPHICS logo, is being designed by Springer. The format will be similar to the SYMBOLIC COMPUTATION Series (hardbacked, with silver colour).

Springer will offer a special reduction to EUROGRAPHICS members. Details, including an order form, will be published in "CGF" in due course.

EUROGRAPHICS will validate the membership number on the order forms; orders and deliveries will be handled by Springer.

Copies needed by EUROGRAPHICS for tutorial or workshop participants, will be made available to EUROGRAPHICS at a substantially reduced rate.

Publication will be rapid, roughly eight weeks from receipt of camera ready copy.

The following volumes are currently planned:

     1.   EUROGRAPHICS '83 ‾ Tutorial
        (Editor: P.J.W. ten Hagen)

     2.   Seeheim Workshop on User Interface Management
        (Editor: G.E. Pfaff)

     3.   EUROGRAPHICS'84 ‾ Tutorial
        (Editor: F. Lillehagen)

     4.   Wenschdorf Workshop on Graphics Programming
        (Editor: K.W. Brodlie)

4. ORGANISATION OF THE ASSOCIATION

4.1 Secretariat

The main duties of the Secretariat are as follows:

- Handling and management of the roster of members
- Preparation of annual invoices for payment of the membership fees and related reminders
- Checking of the membership fee payments
- Preparation and mailing of the membership cards
- Mailing of the Computer Graphics Forum
- Mailing of Call for Papers and preliminary programmes for the Annual Conference
- Mailing of ballots for the annual election of members of the Executive Committee
- Handling of the annual election of members of the Executive Committee
- General correspondence with the members
- Handling of various publications, like GKS, ISO standard documents, EUROGRAPHICS tutorial notes, etc.
- Handling of the PO Box
- Handling of the registrations of Annual Conference (in 1983 only)
- Preparation of various documents and related mailing (e.g. application forms)
- Liaison with the Treasurer
- Other mailings for the Association and other institutions, such as SIGGRAPH, with which EUROGRAPHICS is linked
- Handling of the EUROGRAPHICS master files
- Preparation and distribution of various printed material , such as membership cards, letterheads, envelopes, etc.

All the work outlined above is done on a voluntary basis, with some help from students for the mail preparation. However, the Secretary can no longer cope with the volume of work involved and secretarial work. The cost of obtaining professional aid from secretarial agencies, or of a part-time secretary, is being investigated.

The Secretariat receives an average of 2.5 letters per day, and handles now, an average of 13,000 mail items per year, representing about 20,000 individual papers, with a total weight of about 1200 kilograms.

Secretarial Expenses and Budget

The Secretariat had a budget of 22,000 Swiss Francs, for the period 1st July 1983-30th June 1984 and this is presently sufficient (with the existing situation of voluntary work).

As is obvious, the most important outgoing costs are for mail, representing an annual expenditure of about 20 Swiss Francs per member.

4.2 Treasurer

The main duties of the Treasurer are as follows:

- management of the assets of the Association
- definition of the budget
- control of the budget
- perception of the membership fees
- relation with the bank

The Treasurer works in tight cooperation with the Secretary. The Treasurer reports to the Executive Committee and to the General Assembly.

4.3 Officers

4.3.1 Officers' Duties

Each Officer reports directly and continuously to the Chairman or to one of the vice Chairmen, as indicated in the organogramme. This means, among other things, that the appropriate (vice) Chairman receives copies of correspondence.

- Officers have to propose a plan of action each year at the Executive Meeting which takes place at the annual event, for the coming year. The Executive Committee have the opportunity first to amend and then to approve the plans of action. Each plan includes a budget.

- Officers have to provide a six-monthly report - one at the Executive Committee Meeting mentioned above, the other at the Executive Committee Meeting which is held around March every year. This meeting is held especially to review ongoing activities and to prepare for the annual event. The officers are expected to attend this meeting in person and their budget may provide for travelling expenses.

- If, for whatever reason, they are not able to fulfill their duties as required according to the plan and their terms of reference, they are immediately required to report this, in order that the Executive Board may find assistance or a temporary replacement.

- Officers are nominated for a period of one-two years at a time, at the annual event's Executive Committee Meeting. Their nomination can be re-affirmed at the end of each one-two year period.

- Officers should use Computer Graphics Forum as the medium for informing the Association at large and for obtaining members' participation to assist in achieving their goals; such participation is frequently encouraged.

4.3.2 Officer for Constitution and By-laws, Elections and Membership Care

The area covered by the Officer for constitution and by-laws, elections and membership care, is almost self-explanatory and his/her duties are practically fully covered in the constitution and by-laws.

The main concern is to cover all juridicial aspects, formal definition of the Organisation, to ensure that the regulations are followed and that all committees and working groups are aware of their duties, commitments and rights.

4.3.3 Officer for Technical Committees and Working Groups

Terms of Reference: Organising technical committees and working groups is a practical way of realising the purpose of Article 2 in the constitution of the EUROGRAPHICS Association, in technical areas.

The officer for the Technical Committees and Working Groups should:
. Promote contacts to identify technical areas where research/ discussion should be formalised.or organised

. Introduce a formal request to the Executive Committee to create a Working Group when a new research/discussion area has been sufficiently defined and candidates for its Technical Committee have been identified

. Organise reporting of the work and results of the TC/WG to the members and to the Executive Committee

. Decide, within the limits of the Constitution and By-laws, on
  all matters to which 'the Officer is committed

. Act as Counsel for the TC/WG

. Introduce a formal request to the Executive Committee to stop
  a TC/WG when the goal of the TC/WG has been reached, or when
  a reorganisation seems advisable for any reason.

. Inform the TCs of the facilities offered by the Association to
  facilitate their work and the dissemination of results.

Each Technical Committee should:

• Ensure the realisation of its specific goals or purpose, by
  organising seminars, meetings, workshops, periodic exchanges of
  results/ideas/surveys,etc.

. Prepare surveys and publications at each significant step reached.
  Submit them to the Journal of the Association (or other
  means, as organised by the Publications Officer)

. Report to the Executive Committee on the work in progress and
  events organised

. Flake contacts with other similar associations, national or
  international , to minimise overlap and maximise benefit from
  organisation of joint activities

. Keep regular contact with the TC/WG Officer

. Make any proposal (to be carried out by the Officer) necessary to modify
  the Scope and Purpose of the Working Group or the list of
  members of their Technical Committee and its chairmanship

. Use the journal of the Association for encouraging EG members
  to become involved in the WG activities

. Prepare a written annual report every year for submission to the
  Executive Board (Chairman and TC/WG Officer) before the
  General Assembly

. Keep a membership list of participants in the WG activities
  and list of recognised experts in the field

The decision to establish and allow a provisional Technical
Committee to use the name of the Association and to organise
Working Group activities is made by the Executive Committee
Chairman, after consultation with the Officer for Technical
Committees and Working Groups.

During the formation phase, all activities should be performed
in a manner as close as possible to that eventually intended.

The bootstrap phase should last for less than one year; the
Executive Committee Chairman and Technical Committee & Working
Group Officer, will report on the progress of the WG/TC during
this bootstrap phase, at Executive Committee meetings.

The decision to establish a new TC/WG is taken by the
Executive Committee, according to the following guidelines:
. The proposal ¯ sufficiently defines its SCOPE and PURPOSE
              ¯ indicates a RANGE of TOPICS
              ¯ includes a list of at least three COMMITTEE MEMBERS
                and suggested chairmanship
              ¯ suggests short-term/priority targets

. The SCOPE and PURPOSE and RELATED TOPICS correspond to an area of

sufficient technical interest, not completely covered by existing known similar organisations at national or international levels.

. The SCOPE and PURPOSE ane related topics could be of special interest for Europe

. The proposed Committee members are members of the Association who have demonstrated fromtheir contributions to computer graphics, their professional ability, experience or otherwise, that they can conduct organise, participate, etc. to enable the golas of the WG to be attained.

. The bootstrap phase, if any, shows the viability and needs of the WG and the quality of its TC.

Existing Technical Commitees (TC) & Working Groups (WG)

WG 1: Design & Programming of Graphic Systems was established on May, 1983.

I. Scope and Purpose
- Coordination and promotion of activities in the areas of design and programming of graphics systems.
- Organisation of user meetings and of information exchange.
- Organisation and running of workshops to carry out research in selected areas of the below-mentioned set of topics.

II. Range of Topics
   (1) Structure of and interfaces in graphics systems.
   (2) Design and compatibility of program libraries based on GKS.
   (3) Tools for certification and quality control of graphics systems.
   (4) Configuration techniques (graphics system families, programming with graphical methods).

      (5) User interface managers (structuring, evaluation and

          adaptation of dialogue).

      (6) Graphics data and method management.

III. Committee

    G. Pfaff ¯ F R Gemany (Speaker)   GTS/GRAL GmbH, Alsfelderstr. 7
                                            D-6100 Darmstadt

    K. Brodlie ¯ UK   Computer Laboratory
                                            University of Leicester
                                            Leicester LE1 7RH

    A. Ducrot ¯ France   INRIA
                                              Roquencourt BP 105 Le Chesnay

    W.T. Hewitt ¯ UK   University of Manchester
                                            Computer Building Oxford Road
                                            Manchester M13 9PL

    M. Mäntylä ¯ Finland   Helsinki University of Technology
                                            Laboratory of Information
                                            Processing Science Otakaari SF02150

IV. Immediate Plans

    (a) Publication of proceedings of a Workshop held at Seeheim,

        F R Germany in November 1983 ¯ topic: User Interface Management

    (b) Publication of proceedings of a workshop held at Wenschdorf,

        F R Germany, in January 1984 on "Interfacing new and old graphical

        software to GKS".

    (c) To consider. in conjunction with Computer Graphics Forum, the

        establishment of an Algorithms Supplement.

<u>Technical Committees/Working Groups in the Bootstrapping Phase</u>

<u>WG2: Computer Graphics in Networks</u>

As a result of informal discussions during CAPE'83 between EUROGRAPHICS

members, the Executive Committee Chairman has agreed to a

bootstrap phase for WG2 on Computer Graphics in Networks.

Two small meetings were organised during the EUROGRAPHICS'83 conference.
A report has been prepared by Professor Stanko Turk, based on Guy Maréchal's
proposal.

A provisional definition of the Working Group and Technical Committee
is as follows:

I. Scope and Purpose
    - Coordination and promotion of activities in the area of transfer
      of graphic data (possibly embodied in non-graphic data) between
      foreign data processing equipment and terminals.

      According to the ISO terminology, the area can be defined in
      reference to the "Open System Interconnection" model (ISO/DP7498)
      to cover levels 5 to 7.

    - Organisation and running of workshops/seminars to carry out
      research in selected areas of the below-mentioned set of
      topics .

    - Organisation of user meetings and of information exchange.

    - Address standardisation bodies (national and international)
      when substantial research results are available,

II. Range of Topics
    (1) Structure and interfaces of the architectures of graphics in
        networks, including the placing of GKS.

    (2) Design of program libraries serving the architecture.

    (3) Identification of "modelling technologies" at OSI 7;
        contributions to their accurate definition.

    (4) Tools for certification and quality control of graphics
        network systems .

    (5) Methods to prepare the minimum consensus required to
        initiate standardisation activities.

    (6) Escape mechanism to cope with the coupling of inconsistent
        systems .

    (7) Conceptual primitives (and entities) and their attributes,
        which could be used to build dynamic and static application
        models.

III. Committee

U. Cugini ⁻ Italy   Istituto di disegnio di Machine
                                     Politecnico di Milano
                                     Piazza Leonardo da Vinci 32
                                     20133 Milano

G, Maréchal ⁻ Belgium (Speaker)   Philips & MBLE Associated S.A.
                                     Rue des Deux Gares 30
                                     1070 Bruxelles

S. Turk ⁻ Yugoslavia   Elektrotechnicki fakultet
                                     Unska 3 PP 170
                                     41000 Zagreb

R. Martin ⁻ UK   Mathematics Institute
                                     Senghennydd Road Cardiff CF2 4AG

P. Egloff ⁻ Germany   Hahn-Meitner Institut fur Kernforschung
                                     Postfach 390128 1000 Berlin

H. Kuhlmann ⁻ Germany   Technische Hochschule Darmstadt
                                     FB20 FG GRIS
                                     Alexanderstrasse 24 D-6100 Darmstadt

IV. Priorities/Immediate Plans

(a) Topics 1, 3 and 7 (placing of GKS, VDM, WSI, IGES, MELI, VDA,
    DN1 ...)

(b) Architecture of the message interface application and
    representation independent (OSI 5): f.i. the VIEWTYPE
    mechanism as analysed at the first meeting.

(c) Contact with the graphics in networks group from Germany
    "Arbeitskreises GRAPHIK in Deutschen Forschungsnetz" DFN.

Areas for New TC/WG

Investigations are going on to extend existing TC/WGs or create new
ones in the following areas:

- Education in computer graphics as recycling programmes or in normal
  education programmes.

- Theory of functional and procedural programming by use of graphic
  lexical primitives (static and dynamic).

4.3.4 Officers for Conferences and Exhibitions

General Remarks: Conference and Exhibition should not be separated.
What has to be separated instead, are the different events active at
the same time. Therefore, more than one officer is required. Ideally,
the number of persons would be three.

Scope and Purpose, Terms of Reference:

The purpose of having conference and exhibition officers is to make use
of experience with previously held events. As events have a planning,
running and closing phase, each of them lasting for a period of one
year, three events are active in different phases at any one time.

Any event should be accompanied by the same person through all three
phases. Therefore, three persons are required at any one time. These
three persons may be two officers and an additional member of the
Conference Monitoring Panel. The National Organising Committee has
to keep them informed of all activities.

1) Conference Planning Officer

He should be from the staff running the last event. He has the
task of helping the National Organising Committee of the next
but one event in planning the event. He is the expert in
contract matters, the sharing of prifit and risks and of the
milestones to be overcome when planning an event.

2) Conference Running Officer

He should be the previous year's Conference Planning Officer. He has the task of helping the National Organising Committee of the next event in its running. He is the expert in matters of a technical nature and problems in staging an event and in public relations and advertising. He needs all the knowlege to observe the smooth running of the event according to plan.

3) Conference Closing Expert

This person should be the previous year's Conference Running Officer. He has the task of helping the National Organising Committee of the last event to close and round up the event. He is the expert dealing with closing of accounts and assembling the final report.

The scheme outlined above allows for having an expert for every conference and at the same time, for having experts from three consecutive events on the Conference Monitoring Panel .

4.3.5 Public Relations Officer

Scope and Purpose: The Public Relations Officer is responsible for promoting the Association, so that it becomes well-known in the computer graphicsprofessionalworld.

Terms of Reference: He must be active in identifying the occasions when EUROGRAPHICS should be present or participating (e.g as a sponsor). He is in particular, responsible for continuous activity to increase personal

and institutional membership of the Association. To this end, he will prepare public relations material , such as brochures and information booklets. In addition, he will collect material about and find ways in which potential participants of EUROGRAPHICS or one of its events, can be reached.   He will keep a calendar of EUROGRAPHICS events and will check that this is published regularly. In addition, he will have a special responsibility in guarding the external image of the Association.

4.3.6 Publications Officer

Scope and Purpose: The Publications Officer deals, on behalf of EUROGRAPHICS, with all organisational matters concerning external publication of the scientific and technical material produced in connection with EUROGRAPHICS activities. Examples of such publications are: the Annual Conference Proceedings, Tutorial Notes and Proceedings of EUROGRAPHICS workshops and the journal "Computer Graphics Forum".

Terms of Reference: The Publications Officer will develop a publications strategy, including definition of publication series' , contracts with publishers and instructions for authors and editors. He will supervise the regular production of the official journal of the Association. He will define and plan, partly in collaboration with publishers, the distribution and selling method of EUROGRAPHICS publications ¯ internal and external ¯ to the Association.

4.3.7 Liaisons Officer

Scope and Purpose: This Officer deals on behalf of EUROGRAPHICS, with contacts and collaboration between the EUROGRAPHICS Association and other similar professional organisations, such as national computer societies, international professional organisations in related fields

(IFIP, SIGGRAPH, NCGA, BCS, NCGS, ACGA, etc.)

Terms of Reference: The Liaison Officer will propose and negotiate liaison agreements with organisations as mentioned above, or will supervise such activities, if carried out by appointed persons. The Officer's responsibility is to create an international framework for cooperation between EUROGRAPHICS and such other organisations, in order to have membership profit from such contacts. These should ease and reduce costs of collaboration on all levels and activities which are considered to be useful. The Officer is also responsible for ensuring that the liaison policy is consistent.

4.3.8 Education Officer

Scope and Purpose: The Education Officer is responsible for stimulating and coordinating EUROGRAPHICS teaching activities.

Terms of Reference: The Officer is responsible for the proper handling of the contracts with lecturers of EUROGRAPHICS seminars. To this end, he drafts the standard contracts and supervises contract negotiations, such as for the annual event tutorials. He will make sure that lecturers give good quality courseswhose content is in accordance with the scope and purpose of EUROGRAPHICS and addresses the EUROGRAPHICS constituency. The Officer will propose to the EUROGRAPHICS Board, new teaching activities, with special attention given to subjects emanating from EUROGRAPHICS activities.

4.3.9 Officer for InstitutionalMembership

Scope and Purpose: Coordination, planning and development of the cooperation between EUROGRAPHICS and the Institutional members.

Terms of Reference: This Officer represents the interests of the Institutional Members in the EUROGRAPHICS Executive Board and Executive Committee.

5. INTERNATIONAL ACTIVITIES

5.1 Introduction

There are two discernible categories of activity within the EUROGRAPHICS Association ⁻ international activities such as the annual conference and exhibitions and activities within a particular country, be it a seminar, local conference or whatever. In addition, the Association has liaisons with other professional bodies, the manifestations of which may range from cooperation in publicity to jointly organised events. In this Section, we will describe those activities which have taken place to date and the structure and agreements which have been established.

5.2 EUROGRAPHICS Conferences and Exhibitions

As discussed earlier in Chapter 2, it was really through an international conference and exhibition that EUROGRAPHICS came into being. The events held so far have been the following:

⁻ 1980 EUROGRAPHICS'80 University of Geneva

⁻ 1981 EUROGRAPHICS'81 Technische Hochschule Darmstadt

⁻ 1982 EUROGRAPHICS'82 University of Manchester Institute of Science
        and Technology

⁻ 1983 EUROGRAPHICS'83 University of Zagreb

EUROGRAPHICS'84 will be held in Copenhagen.

The composition of each of these events, which is now the established structure for EUROGRAPHICS conferences, has been the following:

. Scientific Conference Programme

. Pre-conference Tutorials

. Equipment Exhibition

The balance between these components has varied from event to event as local circumstances have dictated. For example, in Zagreb, the equipment exhibition was very small , but there was tremendous enthusiasm for the tutorials and scientific programme.

Proceedings of the conferences have been published by the North-Holland Publishing Company (see Appendix 4 for details). Tutorial notes prior to 1983 were published in an ad hoc manner; from the 1983 and subsequent tutorials, the notes will be published by Springer-Verlag in the EUROGRAPHICS Book Series. The tutorial notes from EUROGRAPHICS events are of a consistently high standard. Dan Bergeron's praise of the tutorial notes in his Report of EUROGRAPHICS'83 (Computer Graphics publication from ACM-SIGGRAPH) was very gratifying. Tutorial topics are listed in the Appendices

A computer art competition was instituted at EUROGRAPHICS'81 and has become a permanent feature of these events. Winning entries are published in "Computer Graphics Forum" and although the number of entries is relatively low, the standard is consistently high.

A best paper award of 1000 SFr is given at each conference and the three best papers of the conference are published in the Pergamon Press journal, "Computers and Graphics". Again, the standard of the best papers has been very high. In making the choice of award, the judges consider not only the technical quality of the papers, but also the standard of audio-visual aids and delivery. The aim of the award is to give an incentive to speakers to take trouble and care over this presentation, for there is little worse than to see a good paper spoilt by bad delivery.

The Association has learnt a tremendous amount about conference organisation and the pitfalls thereof! A conference guide has been prepared, which codifies this knowledge and, as will be described in

detail later, a conference Monitoring Panel has been established to guide
conference organisers to maintain standards and consistency,

5.3 <u>National Chapters</u>

The second category of activity ▪ that local to a particular country ▪
has been formalised in the concept of a National Chapter. To date,
only one such chapter exists, notably that in the UK, but there are
plans for the formation of others. In some countries, the best example
to date is the Federal Republic of Germany, local circumstances render
the local chapter model inappropriate, and national activities
are taken care of through liaison agreements with other local professional
societies. More discussion of this issue will be found in the following section.

The UK chapter was founded in December 1981, following a meeting of
UK delegates at the EUROGRAPHICS'81 conference in Darmstadt. The first
activity of this chapter was a one-day seminar on 3D Computer Graphics
held at the Rutherford and Appleton Laboratories, in June 1982. It
was very gratifying that despite a national rail strike, some
200 people made their way by car, bus and foot to this remote corner
of Oxfordshire! The next activity to be organised was a two-day UK
Computer Graphics Conference held at the University of York in March
1983. This again was very well attended. Other UK groups concerned
with Graphics participated in this event, notably the GINO and GHOST
User Groups and the Display Group of the British Computer Society.
The conference took the form of parallel half-day seminars for the
three groups just mentioned, followed by one full day of plenary
seminars, The success of the conference may be judged by the fact
that delegates expressed their wish for the event to be repeated the
following year. Papers from the conference were published in

"Computer Graphics Forum" Volume 2 Numbers 2/3.

The second UK Conference takes place at the University of Kent in April 1984. The format is similar to that of the York conference, and papers are to be published in "Computer Graphics Forum" Volume 3 Number 1. The UK conference is now established in the UK graphics scene and will be a regular annual event,

In October 1983, the Chapter organised a tutorial on the Graphical Kernel System (GKS) given by Julian Gallop and Dale Sutcliffe. Such is the level of interest in GKS in the UK that the tutorial was fully booked within two weeks of the advertisement first appearing and a second tutorial was hastily organised the following day! Even so, by the time the tutorials took place, there was a waiting list of well over one hundred. Two further tutorials were organised in December 1983, at the University of Bath, given by Ken Brodlie and Terry Hewitt. These tutorials were also fully booked and more are planned for the future.

In addition to these activities, smaller meetings have been organised and help has been given to organisers of other events with publicity, etc.

Formally, the Chapter is governed by an Executive Board, and has its own Constitution, approved by the parent body's Executive Committee. The Constitution Provides for the election of the Executive Board and the general *modus operandi* of this Chapter. All members of EUROGRAPHICS resident in the UK are automatically made members of the UK Chapter at no extra cost. Following the experience of the UK Chapter, provisions have now been made in the EUROGRAPHICS Constitution and By-laws for the formation of national chapters. These provisions were approved by the membership in August 1983 (see "Computer Graphics Forum" Volume 2

Number 4). An article on the formation of the UK Chapter, which was
meant to assist people in other countries embarking on similar
ventures, appeared in "Computer Graphics Forum" Volume 1 Number 1.

5.4 Liaisons

The Association has formed liaisons with a number of bodies whose aims
and purposes are similar to those of EUROGRAPHICS. The first of these
liaisons was with ACM's SIGGRAPH. In outline, this is a symmetric
arrangement, under which EUROGRAPHICS has a representative on the
SIGGRAPH Programme Committee and vice versa. Each organisation
publicises the other's event. At the EUROGRAPHICS Conferences, the
SIGGRAPH representative gives a presentation on graphics activities
in the USA and at SIGGRAPH, Panel Seminars have been organised by
EUROGRAPHICS. SIGGRAPH representatives to EUROGRAPHICS have been
Don Bergeron (1982), Ingrid Carlbom (1983); Bob Hopgood represented
EUROGRAPHICS in 1982/83 and José Encarnacao will be the representative
for 1984/85.

The Association also has liaisons with the National Computer Graphics
Association (NCGA, USA), the British Computer Society and the German
Computer Society (GI). The latter agreement is of some interest,
because it takes the place of a national Chapter of EUROGRAPHICS in
Germany, Instead of forming a German Chapter as a rival to existing
groups (which would be in nobody's interests) a liaison has been formed
between a Working Group of the German Computer Society and EUROGRAPHICS,
which provides for reciprocal publicity activities, jointly sponsored
and jointly organised events.

EUROGRAPHICS very much welcomes national chapters of the Association and liaison with national groups. All members are requested to consider such cooperation with EUROGRAPHICS in their countries and to apply to EUROGRAPHICS for a national chapter or a liaison with an existing national group, whose aims and purposes are similar to those of EUROGRAPHICS. For application, please use the Application Form in Appendix 8.

5.5 Workshops

The EUROGRAPHICS Working Group "Graphics Programming" (see Chapter 4) held their first workshop in November 1983 at the Lufthansa Training Centre, Seeheim, West Germany. The topic was User Interface Management Systems (UIMS). The workshop was attended by 30 participants who formed the four subgroups:

   i.   Structure of UIMS

  ii.   Dialogue Specification Tools

 iii.   CAD/CAM Application Requirements to UIMS

  iv.   User Conceptual Models

Each subgroup produced a subgroup report, which were circulated and refined by the subgroup members. These will eventually be collected and published in the EUROGRAPHICS Springer book series, entitled, "Advances in User Interface Management Systems", edited by G. Pfaff and P. ten Hagen. The book is due for publication in August 1984.

The second workshop - held by the same Working Group - was held in Wenschdorf, West Germany in January 1984. It lasted three days and its topic was, Interfacing New and Old Graphics1 Software to GKS. Participants numbered 17, who made up the five following subgroups:

   i. Device Drivers

  ii.   GKS Implementation Requirements

iii.   Integration of Existing Graphics Packages with GKS

 iv.   Algorithms Supplement Rules

  v.   Design of GKS Software

Again, every participant had to prepare a draft position paper which, in revised form, will also be included in a workshop book in the EUROGRAPHICS Springer series, with the title, "Graphics Software and GKS". Editors are K. Brodlie and G. Pfaff.

6. TEACHING ACTIVITIES

The teaching activities of the EUROGRAPHICS Association have been increasing every year. These now consist of a number of regular services and some ad hoc activities, which very often are the start of a new teaching action.

The most substantial activity is the series of tutorials given at the beginning of the Annual Conference. The tutorials programme has proved to be very much appreciated, so that the programme has been extended every year, from two tutorials in 1980 in Geneva

three	"	"	1981 in Darmstadt
four	"	"	1982 in Manchester
five	"	"	1983 in Zagreb
ten (one-day)	"	"	1984 in Copenhagen

The tutorial lecture notes from now on, will be published by Springer and made available to EUROGRAPHICS members at a discount price.

In addition, a new series of seminars on GKS, the new graphics standard, has been set up. This seminar will be held every month in one of the European countries. It can be either one or two days in duration. The seminar material, e.g. slides and viewgraphs, will be of professional quality and can also be purchased by the members.

EUROGRAPHICS has made contact with SIGGRAPH to convert the SIGGRAPH videotapes to PAL format. They are available to the members for $300 per set.

EUROGRAPHICS can also assist other parties, notably institutional members, in organising seminars, One of the first results in this area is the support given to AMK in organising CAMP'84 in Berlin. The EUROGRAPHICS/ AMK- Seminars are a further step in this direction.

7. INSTITUTIONAL MEMBERSHIP

EUROGRAPHICS is trying hard to develop a scheme for institutional membership which is interesting enough to motivate institutions to apply for such membership,

EUROGRAPHICS helps Institutional Members by arranging courses and seminars, finding consultancies, advertising new positions, making   special surveys, etc. (using some price basis to be decided upon by the EUROGRAPHICS Executive Board). These activities will be based on bilateral contracts or agreements between EUROGRAPHICS and the institutional member, on a case-by-case basis.

The contact persons of the Institutional Members will have the privilege of informing EUROGRAPHICS members about the activities of their institutions, of distributing reports to the EUROGRAPHICS members, published by their institutions, of organising and advertising visits to their institutions for EUROGRAPHICS members, etc. The mailing costs for these activities will be paid by the Institutional Member. The "Computer Graphics Forum" will establish one section on "News from Institutional Members", for announcements and short publications .

Institutional Members will have a discount for space at EUROGRAPHICS exhibitions.

EUROGRAPHICS will establish an Officer for Institutional Membership, to coordinate, plan and develop the cooperation between EUROGRAPHICS and these members. This Officer will also represent the interests of the Institutional Members in the EUROGRAPHICS Executive Board and Executive Committee.

The list of Institutional Members will be published in "Computer Graphics Forum".

Institutional Members may nominate a number of contact persons (dependent on the size of the organisation) who will be treated as individual ordinary members of the Association, having full voting rights and receiving normal membership services (including personal subscriptions to "Computer Graphics Forum". The organisation will, in addition, be able to register (up to a specified maximum) employees for conferences, seminars and educational activities at members' discount rates. The Institution will also receive a number of instituional subscriptions to Computer Graphics Forum, dependent on the size of the organisation.

Size of Organisation	Contact Persons	Discounted Registrations	Instituional CGF Subscriptions
$<$ 1,000	2	3	2
1-10,000	4	5	4
$>$ 10,000	6	7	6

Fee = a t
     b x contact persons +
     c x discounted registrations t
     d x institutional CGF subscriptions
where:
     a = 250 SFr
     b = 50 SFr
     c = (50 ‾ cost of CGF to members)
     d = cost of CGF to institutions + mailing cost (currently 180 t 21 DFI)
For application, please use the Application Form in Appendix 9.

8. ELECTION PROCEDURE

The Executive Committee consists of 21 members, elected by the membership. The Executive Board consists of the Chairman and two vice Chairmen, plus the Secretary and Treasurer and is elected by the Executive Committee. The Chairman and vice Chairmen must be members of the Association and may also be members of the Executive Committee.

Members of the Executive Committee serve for a period of three years each, one third of the Executive Committee is elected each year. The procedure for the elections is laid down in the Constitution and By-laws (see Appendix 1). In summary, the procedure is as follows.

From September until the end of December each year, nominations are received, Nominations may come from the Executive Committee and the membership themselves. In the latter case, a nomination has to be made by five members of the Association. Executive Committee members whose term of office has expired, may, if they so choose, stand for re-election,

The names of candidates plus a brief biographical description of each, are published in Issue 1 of "Computer Graphics Forum" each year. The election proper is by letter ballot, which takes place in three months prior to the General Meeting each year. Results are presented at the General Meeting.

Normally, each member may vote for a number of candidates equal to the number of vacancies, without constraint, The By-laws do provide for a grouping of candidates in special circumstances; for example if the

national balance in the Executive Committee needs restoration. The application of this procedure and precise details, need to be agreed by the Executive Committee.

Provision is also made in the By-laws for dealing with vacancies arising in the Executive Committee during the course of a year, for example, due to the resignation of a member.

9. MONITORING PANEL

The Conference Monitoring Panel was set up by the Executive Committee
at the Zagreb meeting in August 1983. Prior to that date, responsibility
for coordinating conference activities had devolved solely upon the
Exhibitions and Conferences Officer. As the conferences and exhibitions
grow in size, this was becoming an intolerable burden on one person,
especially as much more forward planning is now called for than in the
early days. In recognition of this, it was agreed in Zagreb that a

monitoring panel would be set up to oversee the conferences and
exhibitions activities. The membership of the Panel is made up from
the following:

- A Vice-chairman
- The Conference and Exhibition Officer
- The Treasurer
- Two other Executive Committee members

Currently, the membership of this Panel is Paul ten Hasen (Chairman),
Hugh Tucker, Rolf Lindner, Christian Pellegrini, Bob Hopgood and
David Duce.

The purpose of the Monitoring Panel is to oversee all conference
activities. Contact is maintained with the local organising committee
from their foundation, through to the presentation and analysis of
final accounts. The Monitoring Panel effectively acts as the interface
between the local organiser and the EUROGRAPHICS Association. Being a
small body, it is able to react quickly in cases of urgent need. One

of the first activities of the Monitoring Panel was to produce a
guide to conference finances and a timetable for conference organisation.
Organisation of a conference takes at least two years of planning and
some six to nine months afterwards before all bills are settled, accounts
audited and final reports produced. Conference organisation is something
that EUROGRAPHICS is learning the hard way, through experience. This
means that it is very important to analyse the results of the annual
events and codify the experience gained in a conference guide. Already,
an impressive list of Do's and Dont's is being built up.

APPENDICES

Appendix 1:   Constitution and Bylaws (revised Form)

Appendix 2:   Officers since 1980 (alphabetical order; function; period)

Appendix 3:   Meetings of the EG Association (dates, location, Re. No. for Minutes)

Appendix 4:   List of the Annual Conferences and Exhibitions (dates, location, NH Publcn. No. for Proceedings; planning: 1985, 1986, 1987 and 1988)

Appendix 5:   List of EG Members (name, location, ordered by countries)

Appendix 6:   Forms for reimbursements from the EUROGRAPHICS Association

Appendix 7:   Application form for EG Annual Event

Appendix 8:   Application form for liaisons with the EUROGRAPHICS Association

Appendix 9:   Application form for institutional membership

Appendix 10:   Application form for EUROGRAPHICS Association ordinary membership

APPENDIX 1

CONSTITUTION AND BYLAWS

Constitution of the EUROGRAPHICS Association

as accepted at Zagreb, September 1983

I. Name · Duration · Seat · Purpose

Article 1

1. Under the name of European Association for Computer Graphics (EUROGRAPHICS), an association has been organized and incorporated; it is governed by Article 60 and the following articles of the Swiss Civil Code, and by the present Constitution.
2. Its duration shall not be limited.
3. Its seat *is* in Geneva, Switzerland.

Article 2

1   The purpose of the Association is and shall he to contribute to and promote the advancement of computer graphics, primarily in Europe, by all suitable means and in particular:

   a) by providing a forum for the discussion of subjects of common interest;

   b) by providing means whereby action can be taken on those matters which it appears desirable to handle on the international level;

   c) by establishing relations with other similar associations national or internotional;

   d) by issuing a newsletter on current and future events and developments.

2   In order to fulfil its purpose, the Association shall act either directly or through its members of through specialized groups created by its members.

II. Membership

Article 3

The membership of the Association shall consist of Ordinary Members, Fellows, Associate Members and Honorary Members.

Article 4

The following individuals, legal persons or bodies may become Ordinary Members of the Association:

a) individuals who have shown by their contribution to computer graphics, by their professional activity or otherwise, to the Executive Committee's satisfaction, that they can further the cause and object of the Association;

b) societies, groups or laboratories which, in the Executive Committee's opinion, make a significant contribution to computer graphics;

c) individuals who, are members of a society, group or laboratory which has been accepted as an Ordinary Member of EUROGRAPHICS.

Article 5

The Association may elect to Fellowship only such individuals as have made a significant contribution to the advancement of computer graphics by independent original research, or have rendered some other special service to the Association.

Article 6

The Association may also admit Associate Members and Honorary Members, who shall have the rights and privileges determined by the by-laws.

Article 7

The procedure for the election of members is regulated by the by-laws.

Article 8

Membership of the Association implies strict adherence to the Constitution, to the by-laws and to any lawful decision made or to be made by the organs or officers of the Association.

Article 9

Members as defined in Article 3 are not personally liable for the debts and liabilities of the Association, which is only liable to the extent o, its assets.

Article 10

Membership may be terminated:

a) by withdrawal;

b) by decision of the Executive Committee pursuant to Article 16.

III. Organization

Article 11

The organs of the Association are:

a) the General Meeting;

b) the Executive Committee;

c) the auditors;

d) the specialied groups;

e) the Executive Board;

f) the national Chapters.

A) General Meeting

Article 12

1. The General Meeting is the supreme authority of the organization.

2. The General Meeting has all such powers as have not been conferred upon another organ under the present Constitution.

3. It is summoned in ordinary or extraordinary session by the Executive Committee, at the date and place fixed by it, and also upon a written request of at least one fifth of Ordinary Members and Fellows.

4. The summons or, in the last-named case, the written request, must indicate precisely the agenda or the items which should be discassed.

5. The General Meeting has in particular the following duties:

   a) adopt or modify the Constitution;

   b) elect members of the Executive Committee and the auditors;

   c) fix the annual dues;

   d) consider reports submitted to it and approve the accounts;

   e) make, amend and repeal by-laws;

   f) approve the programme of work as defined by the Executive Committee.

Article 13

All decisions within the powers of the General Meeting, with the exception of decisions relating to winding-up, may be made by mail, under the conditions prescribed by the by-laws for such ballots.

Article 14

In the present Constitution and in the by-laws, the term "General Meeting" refers equally to a meeting of members or to a consultation by mail.

B) The Executive Committee

Article 15

There shall be an Executive Committee and an Executive Hoard, appointed in accordance with the By-laws appended to this Constitution.

Article 16

1. The Executive Committee governs and represents the Association and shall have general charge of all matters of interest to the Association.

2. The Executive Committee is empowered to make all decisions which are not reserved by law or by the Constitution to any one of the other organs of the Association.

3. In particular the Executive Committee is empowered to:

   a) fulfil the purpose of the Association as it is defined in Article 2 and define its programme of work;

   b) administer the assets and property of the Association;

   c) summon the General Meeting;

   d) organize ballots and consultations by mail;

   e) appoint committees entrusted with special tasks within the general frame-work of the Association;

   f) sponsor and supervise special groups organized within the Association by its members in accordance with the by-laws;

   g) appoint delegates or representatives of the Association to scientific conferences or meetings;

   h) carry out decisions of the General Meeting;

   i) present to the General Meeting annual and other reports and a financial report together with the auditor's report;

   j) accept new members of the Association;

   k) decide to terminate a membership;

   l) accept donations to the Association;

   m) authorise the formation of national Chapters.

Article 17

The Association is bound by the signature of its Chairman or, should the Chairman be prevented from signing. of one of the two Vice-Chairmen or the Vice-Chairman *ex officio,* together with the signature of another member of the Executive Committee

C) Auditors

Article 18

1. The General Meeting appoints each year two of its own members, not members of the Executive Committee, and a firm of certified public accountants who shall report on the accounts of the Association. These auditors may at all times require that the books and all relevant documents or reports be presented **to** them and they may examine the cash and financial situation.

2. The auditors may be re-elected.

D) Specialized Groups

Article 19

Specialized groups can be created with the approval of the Executive Committee, pertaining to particular problems as need arises and within the limits of the allocated resources.

IV. Resources

Article 26

1. The resources of the Association consist of:

    a) dues paid by members;
    b) possible gifts, bequests and legacies;
    c) subsidies or grants which may be awarded to it by public or private bodies;
    d) any other resources which may derive from its own activities.

2. In order to fulfil its purpose and to secure its functioning, the Association may at all times constitute or organize separate or independent funds or bodies and give them an appropriate legal structure.

Article 21

The financial period shall be from 1 July to 30 June

V. Amendments and Winding-up

Article 22

1. Any proposal of amendment of the Constitution shall be sent to all members of the Association through the Secretary, at least three months before the meeting of the General Meeting which shall decide upon such proposal.

2. To be approved, any amendment of the Constitution shall require the favourable vote of two-thirds of the members of the Association present and voting.

Article 23

1. The winding-up or merger of the Association may be decided only by an extraordinary session of the General Meeting, formally summoned for this special occasion.

2. The decision shall be valid if approved by two-thirds of all members of the Association present and voting.

Article 24

In the event of the Association being wound up, the assets remaining after discharge of all debts shall be transferred to a body or bodies having aims similar to those of the Association.

VI. Introductory Provisions

Article 25

This Constitution shall be in force from the moment of its approval by the constitutive assembly.

Article 26

1. As soon as the Association **is** created, the constitutive assembly becomes a General Meeting, sitting in extraordinary session, and it shall elect the first Executive Committee directly, notwithstanding Article 15 of the Constitution.

2. During the year 1980 and not later than the third quarter of the year, the Executive Committee shall convene a General Meeting, which shall elect the Executive Committee for the next administrative period.

EUROGRAPHICS Association - By-Laws

as accepted at Zagreb, September 1983

I . Membership

Rule I

Individuals applying for ordinary membership shall do so on the standard application form, which shall be signed by two Individual Ordinary Members, by two Fellows, or by two members of the governing body of the society, group or laboratory which is an Ordinary Member of the Association.

Rule 2

Societies, groups or laboratories, eligible for membership under Article 4b) of the Constitution, shall accompany their application by certified or photostatic copies of their constitution and by-laws and of such additional documents as the Executive Committee may require.

Rule 3

Fellows shall have all the rights of Ordinary Members they may vote and shall be eligible for office as Individual Ordinary Members.

Rule 4

Associate Members and Honorary Members shall have the same right as Ordinary Members to attend meetings and subscribe to the publications of the Association. They shall not have the right to vote and they shall not be eligible for service on the Executive Committee.

Rule 5

Admission to associate Membership or to Honorary Membership shall be decided by the Executive Committee. The total number of Honoary Members at any one time shall not exceed fifty.

Rule 6

Every Member who is elected or admitted shall be informed by the Secretariat of his or her election or admission and shall receive from the Secretariat copies of the relevant documents.

Rule 7

Subject to Rules 38, 39, 40, 41 and 43, no election or admission of Members or Fellows shall become effective until the relevant fees have been paid.

Rule 8

Annual membership fees shall be due on 1 January. In the event of non-payment of the fee after six calendar months, membership may be terminated by the Executive Committee.

Rule 9

Expulsion of a member shall be a decision of the Executive Committee. The Chairman shall present to the Executive Committee a full report on the reasons for the proposed expulsion before the matter is considered by the Executive Committee.

Rule 10

All matters of doubt or difficulty relating to membership shall be decided by the Executive Committee.

II. Organization

A) The General Meeting

Rule 11

In a General Meeting, called according to the Constitution, Artices 12, 13 and 14, Ordinary Members and Fellows may vote. Every Ordinary Member or Fellow, personally represented at such a General Meeting shall be entitled to one vote in the decisions.

Rule 12

A General Meeting may decide in an ordinary session only upon agenda items for which three months notice has been given to all Ordinary Members and Fellows. They shall receive notice of the date and the venue of the session together with a preliminary agenda six months prior to the session. An Annual General Meeting shall be held once in every year at such time after 1 July and at such place as may be prescribed by a resolution of the Executive Committee. Normally this meeting should take place at the annual EUROGRAPHICS Conference (so long as such exists), or other gathering of the Association.

Rule 13

1. Any fifty Ordinary Members and Fellows, present and voting at a session of a General

Meeting, shall constitute a quorum for decision.

2. If after thirty minutes from the time appointed for the meeting such quorum be not present the Meeting, if convened upon the requisition of Ordinary Members and Fellows, shall be dissolved but, in any other case, shall stand adjourned to such date time and place as the Executive Committee shall determine.

3. Unless the Meeting is adjourned for seven days or more, it shall not be necessary to give members written notice thereof.

4. If the adjourned Meeting takes place at a gathering (for example the EUROGRAPHICS Conference) attended by such number of Ordinary Members and Fellows as constitutes a quorum, the Ordinary Members and Fellows present at the adjourned Meeting, whatever their number, shall have power to decide all matters which could properly have been disposed of by a quorum at the original Meeting.

Rule 14

I. When *a* postal ballot is held the result is valid only if at least 20% of the total Ordinary Membership and Fellowship, entitled to vote in a session of a General Meeting, called according to Rule 11, return valid ballot papers.

2. If the necessary number of ballot papers to constitute a valid ballot is not returned, the resolution may be put to a further postal ballot, or become an agenda item at a General Meeting, summoned under the provisions of Articles 12, 13 and 14.

Rule 15

The Chairman or failing the Chairman one of the Vice-Chairmen shall be Chairman at every General Meeting: providing that, if after thirty minutes from the time appointed for holding any Meeting all such Officers be absent, or being present, decline to act as Chairman, a member of the Executive Committee chosen by the members of the Executive Committee present shall be Chairman of such Meeting.

B) The Executive Committee

Rule 16

I. The Chairman and the two Vice-Chairmen shall normally retire in alternate years.

2. The term of office for the Chairman and the two Vice Chairmen shall normally he 2 years.

Rule 17

The Executive Committee shall consist of:

a) the Officers as defined under Rule 18;

b) a minimum of 15 to a maximum of 21 (or such other number being a multiple of **3** as a General Meeting may from time to time determine) members of the EUROGRAPHICS Association elected by the General Meeting (hereinafter referred to as "Executives").

Rule 18

1. The Officers of the Association shall be:

a) Honorary Officers: A Chairman, two Vice-Chairmen, and the immediate past Chairman who shall be an additional Vice-chairman *ex officio* for a period of one year.

b) Administrative Officers: A Secretary and Treasurer.

2. The Honorary Officers shall be Executives. The Administrative Officers shall be members of the Association, not necessarily Executives.

Rule 19

The Executive Committee shall provide for its own organisation and shall appoint for each administrativeyear (1 January to 31 December) an Executive Board which shall consist of the Officers defined in Rule **18.** Other past Officers may be called upon to serve the Executive Board in an advisory capacity.

Rule 20

Executives and Officers are eligible for re-election.

Rule 21

One third of the Executives shall be elected each year.

Rule 22

Executives elected at the Annual General Meeting in 1983 and thereafter shall be elected for a period of 3 years.

Rule 23

Any of the Officers or any Executive may resign by sending his resignation to the Executive Committee, and on its acceptance by the Executive Committee he shall vacate his office or cease to be a

member of the Executive Committee as the case may be. An Officer may resign his office whilst remaining **a** member of the Executive Committee.

Rule 24

Any vacancy in the Officers or Executive Committee occuring between two Annual, General Meetings, owing to death, resignation, removal or otherwise shall be filled as follows:

a) If among the Honorary Officers by the election by the Executive Committee of a member of the Executive Committee.

b) If among the Administrative Officers or the Executives,by the election by the Executive Committee of any eligible member.

Provided that, when an election is made by the Executive Committee under this Rule, the election shall be at a meeting of the Executive Committee summoned with notice of that object; and provided that any person elected under this By-law shall retain his office or membership of the Executive Committee so long only as the vacating officer **or** Executive would have retained the same if no vacancy had occurred but shall then be eligible for re-election to that office or to membership of the Executive Committee, as the case may be, for the full period for which a newly elected officer or member would be so eligible,

Rule 25

Any of the Officers or any other member of the Executive Committee shall *ipso facto,* vacate his office or cease to be a member of the Executive Committee as the case may be, if he

a) cease for any reason to be a member of the Association;

b) be declared by the Executive Committee to have been unable or to have failed to fulfill his proper functions as an Officer or Executive through inadequate attendance at meetings or insufficient attention to other duties and be removed from office or from membership of the Executive Committee as the case may be, by resolution of the Execurive Committee accordingly.

Rule 26

Any Officer or any Executive may be removed from his office or from membership of the Executive Committee as the case may be, by a resolution of a Special General Meeting convened for that pupose, and in the case of such resolution the following provisions shall apply:

a) The Officer or Executive whom it is proposed to remove must first have an opportunity of being heard.

b) Not less than two-thirds of the members personally present and voting shall vote in favour of the resolution.

Rule 27

1. During the period from September until the end of each year the Executive Committee (or a Committee appointed under the provisions of Article 16(e)) shall encourage nominations for the forthcoming vacancies on the Executive Committee.

2. The Executive Committee shall nominate as candidates for election as Executives in place of those retiring under Rule 21 a number of members of the Association equal to the number of vacancies; having due regard to the representation on the Executive Committee of the nations represented in the membership of the Association and of the various interests and branches of the subject of computer graphics.

3. Any five (5) Ordinary Members or Fellows. not being members of the Executive Committee may nominate an eligible member as a candidate for election to the Executive Committee but no member shall concur in nominating more than one such candidate at any particular election. Any such nominations shall be delivered to the Secretary (or other person appointed by the Executive Committee) not later than the Fifteenth day of November next before the date at which the Annual General Meeting is to be held, and shall be in the following form:

We, the undersigned, being members of the European Association for Computer Graphics do hereby certify that A.B of (registered address) a Fellow/Member of this Association is, in our estimation a fit and proper person to he a member of the Executive Committee of the Association, and we do hereby nominate him as a Candidate for election as such.

Any such nomination may consist of several documents in like form, each signed by one or more members, and shall be accompanied by a statement by the candidate-that he is willing to accept such nomination.

4. No person shall be eligible to be elected as an Executive unless he he an Ordinary Member or Fellow of the Association.

Rule 28

The Executive Committee shall cause to be published in the first issue of *Computer Graphics Forum* each year the names of candidates nominated for election to the Executive Committee and such particulars regarding the candidate's qualifications, occupation and experience as the Executive Committee may from time to time direct.

Rule 29

1. If the number of candidates duly nominated for election to the Executive Committee does not exceed the number of vacancies, the persons so nominated shall be deemed to be elected and the result shall be announced at the Annual General Meeting. If, however, the number of candidates exceeds the number of vacancies, an election by ballot shall be held.

2. Whenever a ballot is necessary to determine the election of members of the Executive Committee, the Executive Committee shall (three months at least before the date of the Annual General Meeting) cause to be sent to every Ordinary Member and Fellow, a ballot paper containing the names of the candidates nominated for election.

3. Each Ordinary Member or Fellow desirous of voting shall record his vote by making a cross against the name of the candidate, provided that no member shall vote for more than seven candidates or such other number of candidates as shall be equal to one-third of the authorised number of members of the Executive Committee.

4. In extraordinary circumstances, to restore the balance of the Executive Committee, the Executive Committee shall direct that the candidates for election be organised into groups. In such circumstances Ordinary Members and Fellows desirous of voting shall do so in accordance with the directions decreed by the Executive Committee, provided that no member shall vote for more than seven candidates, *in toto,* or such other number of candidates as shall be equal to one-third of the authorised number of members of the Executive Committee.

5. Ballot papers shall be transmitted in a sealed envelope, bearing on the outside the signature of the member, addressed to the Secretary (or such other person as specified by the Executive Committee) to be received by the date specified by the Executive Committee.

6. The envelopes containing the ballot papers shall be opened by two or more Scrutineers, not candidates nominated for election as Executives, nominated by the Executive Committee.

7. The ballot paper of any Ordinary Member or Fellow whose annual subscription for any previous year has not been paid or who is in arrear with any other sum (not being an annual subscription) payable by him to the Association under these By-laws shall be invalid and shall be disallowed,

8. The Report of the Scrutineers shall be presented to the Chairman at the Annual General Meeting.

9. The several candidates receiving the greatest number of votes (possibly in each group as permitted by clause 4 of this rule) shall be elected and, in the case of equality of votes, the Chairman shall have a second or casting vote.

10. If at any time after the ballot papers have been sent to Ordinary Members and Fellows, and before the dissolution of the Annual General Meeting, any candidate who would otherwise have been elected has died or has withdrawn his nomination or has in any way become ineligible for membership of the Executive Committee then the candidate having the next greatest number of votes shall be elected or if there be no such candidate the Ordinary Members and Fellows present may nominate and elect any eligible member.

11. Members of the Executive Committee take office as such at the close of the Annual General Meeting of the Association at which they are elected.

Rule 30

The Executive Committee is empowered to add up to two Ordinary Members or Fellows by co-optation. Co-opted membership shall lapse after the Annual General Meeting of the year of appointment, unless renewed by the Executive Committee for a further year.

Rule 31

A quorum of the Executive Committee shall be six.

Rule 32

All decisions of the Executive Committee shall be by simple majority of those present and voting. In case the vote is a tie, the Chairman shall decide.

Rule 33

The Executive Committee shall meet not less than once a year

III. Specialized Groups

Rule 34

The formation of a Specialized Group may be approved by the Executive Committee on receipt of a formal request from not less than five Ordinary Members.

Rule 35

Participation in the Activities of Specialized Groups shall be restricted to Individual Ordinary Members and Fellows of the Association and to members of such societies, groups or laboratories as are Ordinary Members of the Association.

Rule 36

The rules and regulations governing each Specialized Group shall be approved by the Executive Committee.

IV. Venue of Meetings

Rule 37

The venue of meetings should be so chosen that there is no restriction on the attendance of members from anywhere.

Rule 38

Ordinary Members shall pay annual fees as follows

a) Individual Ordinary Members, Constitution Article 4a) 50 SFr.

b) Societies, groups or laboratories, Constitution Article 4b)

first 500 members	500 SFr.
next 500 members	175 SFr.
next 1000 members	300 SFr.
next 3000 members	750 SFr.
next 5000 members	1000 SFr.
all members in excess of 10,000	0 SFr.

c) Individual Ordinary Members, Constitution Article 4c), who are thus also members of society, group or laboratory which is an Ordinary Member by Constitution Article 4b) 5 SFr, per individual Ordinary Member.

Rule 39

Fellows shall pay as Ordinary Members, Rule 38a) or c).

Rule 40

Associate Members shall pay annual fees to he decided by the Executive Committee.

Rule 41

Honorary Members shall not be required to **pay** any fees.

Rule 42

Membership of a Specialized Group shall not involve any additional fee to the Association.

Rule 43

The Executive Committee shall have power to arrange for payment of fees In local currency where problems of restricted convertibility exist.

V. National Chapters

Rule 44

The Executive Committee may from time to time authorise the formation of national Chapters of the Association where circumstances justify such formation.

Rule 45

The Executive Committee may delegate to the Executive Boards of national Chapters set up under the provisions of Rule 47 such executive powers as it may think fit for the purpose of carrying out the objects specified.

Rule 46

Only members of the Association resident in the country concerned shall be included in the membership of each national Chapter.

Rule 47

1. The members of each national Chapter shall draw up rules for the conduct of the affairs of the Chapter and shall submit them to the Executive Committee for approval and on such approval being obtained such rules shall be adopted for the Chapter.

2. Such rules shall provide for:

   a) The election of the Chapter's Executive Board.

   b) The election of Officers of the Chapter.

   c) The keeping of Accounts of the Chapter.

d) The winding-up of the Chapter.

e) Any matter which in the opinion of the Executive Committee ought to be provided for by the rules.

Rule 48

On the request of the Chapter's Executive Board stating sufficient reasons the Executive Committee may waive compliance with any Chapter rule, or may sanction such alterations of; or additions to, the Chapter rules as may be considered necessary by such Committee in order to adapt them to the particular circumstances of such Chapter.

Rule 49

Each national Chapter shall submit annually Accounts of the Chapter to the Executive Board of the Association.

Rule 50

The Executive Committee may contribute from time to time from the funds of the Association such sums as it shall determine to be requisite or proper towards the formation and maintenance of the national Chapters.

VI. Revision of By-laws

Rule 51

Any change in these By-laws shall be decided by a two-thirds majority of the members of the General Meeting voting, including proxy votes.

APPENDIX 2

MEMBERS OF THE EXECUTIVE BOARD

(1980-1984)

APPENDIX 2

1. D.A. Duce (UK) Rutherford Appleton Laboratory Chilton Didcot Oxon OX11 OQX	Vice-chairman	**1984-**
2. J.L. Encarnacao (FRG) Technische Hochschule Darmstadt **FB20** FG GRIS Alexanderstrasse 24 D-6100 Darmstadt	Chairman	**1980-1984**
3. F.R.A. Hopqood (UK) Rutherford Appleton Laboratory Chilton Didcot Oxon OX11 OQX	Vice-chairman	**1980-1982**
4. F. Muller (CH) United Nations Geneva Switzerland	Secretary	**1980-1981**
5. C. Pellegrini (CH) Université de Geneve Centre d'Informatique **24** rue General Dufour 1211 Geneva 4	Treasurer	**1980-**
6. P.J.W. ten Hagen (NL) Mathematics Centre Kruislaan 413 NL-**1098** SJ Amsterdam	Vice-chairman	**1980-1983**
7. G. Valle (I) Universita degli Studi di Milano Istituto di Cibernetica via Viotti 3/5 **20133** Milano	Vice-chairman	**1980-1983**
8. C.E. Vandoni (CH) CERN Data Handling Division CH-1211 Geneva 23	Secretary	**1981-**

APPENDIX 3

EXECUTIVE COMMITTEE MEETINGS

APPENDIX 3

EXECUTIVE COMMITTEE MEETINGS

October 1979	Bologna	Founding Meeting
November 1979	Geneva	Founding Meeting
March 1980	Peterborough	Founding Meeting
September 1980	Geneva	First Executive Committee Meeting
February 1981	Seeheim	Minutes with the Secretary
June 1981	Geneva	Minutes with the Secretary
September 1981	Darmstadt	Minutes with the Secretary
November 1981	Manchester	See "Computer Graphics Forum" Vol. 1 No. 1
March 1982	Brighton	See "Computer Graphics Forum" Vol. 1 No. 2
September 1982	Manchester	See "Computer Graphics Forum" Vol . 1 No. 4
April 1983	Amsterdam	See "Computer Graphics Forum" Vol. 2 Nos. 2/3
August 1983	Zagreb	See "Computer Graphics Forum" Vol. 2 No. 4
March 1984	Copenhagen	See "Computer Graphics Forum" Vol . 3 No. 2
September 1984	Copenhagena	See "Computer Graphics Froum" Vol . 3 No. 4

The "General Meeting" of the EUROGRAPHICS Association has taken place every year during the Annual Event.

APPENDIX 4

CONFERENCES AND EXHIBITIONS

APPENDIX 4

CONFERENCES AND EXHIBITIONS

The following conferences and exhibitions have either taken place, or are
planned:

Conference	Venue	Dates
1980	Geneva, Switzerland	3-5 September 1980
1981	Darmstadt, F R Germany	9-11 September 1981
1982	Manchester, UK	8-10 September 1982
1983	Zagreb, Yugoslavia	31 August-2 September 1982
1984	Copenhagen, Denmark	8-12 September 1984
1985	Nice, France	9-13 September 1985
1986	Lisbon, Portugal	
1987	Benelux	
1988	Israel	

Conference Proceedings

Proceedings of the EUROGRAPHICS Conferences are published by North-
Holland Publishing Company. The Volumes available are:
EUROGRAPHICS'80 (Proc. of the Int. Conf. and Exhibition Univ. of
              Geneva, Switzerland, 3-5 Sept. 1980) C.E. Vandoni
              (editor) 1980, xvi+348 p. ISBN 0-444-86107-6.

EUROGRAPHICS'81 (Proc. of the Int. Conf. and Exhibition. Technische
              Hochschule Darmstadt, F.R.G. 9-11 Sept. 1981)
              J.L. Encarnacao (editor) 1981. xii+336 p. ISBN
              0-444-86284-6.

EUROGRAPHICS'82 (Proc. of the Int. Conf. and Exhibition. UMIST,
              Manchester, UK, 8-10 Sept. 1982) D.S. Greenaway
              and E.A. Warman (editors) 1982. xii+420 p. ISBN
              0-444-86480-6.

EUROGRAPHICS'83 (Proc. of the Int. Conf. and Exhibition. University
              of Zagreb, Yugoslavia, 31 Aug.-2 Sept. 1983)
              P.J.W. ten Hagen (editor) 1983 xiv+398 p. ISBN
              0-444-86770-8.

The following pre-conference tutorials have been organised:

EUROGRAPHICS '80

     Recent Development in Computer Graphics Data Structures
     and Databases for Computer Graphics
     Implementation of the Graphics Standards Proposal ⁻ GKS

EUROGRAPHICS'81

     Fundamentals of Computer Graphics
     Simulation
     GKS ⁻ Applications

EUROGRAPHICS'82

     Computer Graphics Fundamentals
     Computer Mapping and Cartography
     Object Oriented Languages
     GKS ⁻ The Proposed International Graphics Standard

EUROGRAPHICS'83

     Introduction to Computer Graphics
     Interactive Techniques
     Graphics Systems and Standards
     Business Graphics and Office Automation
     Surface Design
     Geometric Modelling

APPENDIX 5

LIST OF EUROGRAPHICS MEMBERS

```
D.P. Hodgson,Bentley                    AUSTRALIA
Wilhelm Barth,Wien                      AUSTRIA
Friedrich Bloeser,Wien                  AUSTRIA
Viktor Gartner,Salzburg                 AUSTRIA
Lothar Geyer,Klagenfurt                 AUSTRIA
S. Glaenzer,Graz                        AUSTRIA
Helmut Glanzer,Graz                     AUSTRIA
L.A. Kotsch,Voesendorf                  AUSTRIA
Konrad Mayer,Seibersdorf                AUSTRIA
Hubert Partl,Wien                       AUSTRIA
Werner Purgathofer,Wien                 AUSTRIA
Martin Rudalics,ALinz                   AUSTRIA
Bernhardt Schweeger,Laxenburg           AUSTRIA
Erich Wang,Wien                         AUSTRIA
Gunther Wehrberger,Vienna               AUSTRIA
Pierre Beckers,Liege                    BELGIUM
Erik Blockeel,Bruessel                  BELGIUM
Hendrika Buelinckx,Brussels             BELGIUM
M. De Ceulder,Oostkamp                  BELGIUM
Michel Debar,Namur                      BELGIUM
G. Deprez,Bruxelles                     BELGIUM
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M. Nilsson,Stockholm	SWEDEN
Klas A. Oehlin,Vallingby	SWEDEN
Gunnar Petersson,Lund	SWEDEN
Hans Renstrom,Umea	SWEDEN
Christer Sjoeholm,Sigtuna	SWEDEN
Klas-Goeran Sjoergen,Stockolm	SWEDEN
Bernt-Arne Sjolinder,Stockholm	SWEDEN
Tom Friberg,Stockholm	SWEDEN
Donald Gibson,Stockolm	SWEDEN
Paul S. Anderssen,Geneva	SWITZERLAND
Gabriel Barta,Geneve	SWITZERLAND
Felix Belds,Schuepbach	SWITZERLAND
Giordano Bruno Beretta,Zuerich	SWITZERLAND
Hans Bergkvist,Ecublens	SWITZERLAND
J. Bettels,Geneva	SWITZERLAND
P. Brunner,Raterschen	SWITZERLAND
R. Brunner DVA/KA,Basel	SWITZERLAND
Heinz Christen,Basel	SWITZERLAND
Jean-Jacques Combremont,Geneve	SWITZERLAND
Klaus Daube,Zuerich	SWITZERLAND
Peter Duelli,Zuerich	SWITZERLAND
Roger Hersch,Lausanne	SWITZERLAND
J. Michael Howie,Geneva	SWITZERLAND
Bertrand Ibrahim,Geneve	SWITZERLAND
Charles Jenzer,Maracon	SWITZERLAND
Bernard Levrat,Geneve	SWITZERLAND
Jean-Michel Mascherpa,Chambesy	SWITZERLAND

Ian Mclaren,Geneva	SWITZERLAND
Roland Messerli,Geneva	SWITZERLAND
Ernst Messmer,Geneve	SWITZERLAND
Raymond Morel,Geneve	SWITZERLAND
William Morf,Nyon	SWITZERLAND
D. R. Myers,Geneva	SWITZERLAND
Raymond Olivier,Lausanne	SWITZERLAND
F. T. Parkel,Zuerich	SWITZERLAND
Christian Pellegrini,Geneve	SWITZERLAND
Michel Roch,Geneve	SWITZERLAND
Gottfried Ryser,Wetzikon	SWITZERLAND
Roland Sauter,Minusio	SWITZERLAND
Michel Schwab,Lausanne	SWITZERLAND
John Stark,Geneva	SWITZERLAND
Roger B. Stroude,Fribourg	SWITZERLAND
Hirotsugu Sugaya,Baden	SWITZERLAND
Nadia Thalmann,Geneve	SWITZERLAND
D. Thalmann,Geneva	SWITZERLAND
Igor Uherkovich,Berne	SWITZERLAND
Anne Vallotton,Ecublens	SWITZERLAND
H. Van Croonenburg,Geneve	SWITZERLAND
Carlo E. Vandoni,Geneve	SWITZERLAND
Richard Vogel,Dietlikon	SWITZERLAND
H.R. Amman,BERN	SWITZERLAND
George Sobol,London	UNITED KINGDOM
S.J. Abas,Bangor Gwynedd	UNITED KINGDOM
J. Abolins,Oxon	UNITED KINGDOM
Robert Aish,Winchester	UNITED KINGDOM
Kais Al-Timimi,Cambridge	UNITED KINGDOM
Ben Anrep,London	UNITED KINGDOM
A. Ardali,Isleworth	UNITED KINGDOM
David B. Arnold,Norwich	UNITED KINGDOM
J. Attwood,Cheshire	UNITED KINGDOM
S.J. Ayres,Teddington	UNITED KINGDOM
M. Bain,St. Andrews	UNITED KINGDOM
R.J. Baker,Herts.	UNITED KINGDOM
J. Barsby,Reading	UNITED KINGDOM
M.A. Batey,Winchester	UNITED KINGDOM
F.R. Belch,Manchester	UNITED KINGDOM
B.S. Bennett,Manchester	UNITED KINGDOM
P.Bennett,Berks.	UNITED KINGDOM
Helen Blackman,Exeter,Devon	UNITED KINGDOM
S.J. Boote,Birkenhead	UNITED KINGDOM
John Bowker,London	UNITED KINGDOM
G. Bowles,Dorset	UNITED KINGDOM
A. Bowyer,Bath	UNITED KINGDOM
James Boyd,Glasgow	UNITED KINGDOM
D.P. Bradley,Leicester	UNITED KINGDOM
D.N. Briggs,Cleveland	UNITED KINGDOM
Kenneth W. Brodlie,Leicester	UNITED KINGDOM
A.W. Brown,Aberdeen	UNITED KINGDOM
A.P. Brown,Southampton	UNITED KINGDOM
J.W. Brown,Chester	UNITED KINGDOM
Paul Brown,London	UNITED KINGDOM
Alistair Bruce,Manchester	UNITED KINGDOM
G. Buchanan,Bedford	UNITED KINGDOM
David Burns,Macclesfield	UNITED KINGDOM

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Judith Butland,Bradford              UNITED KINGDOM
S. David Butland,Bradford            UNITED KINGDOM
G.A. Butlin,Cambridge                UNITED KINGDOM
J.E. Caffall,Stafford                UNITED KINGDOM
A.J. Carter,London                   UNITED KINGDOM
Roy Chapman,Milton Keynes            UNITED KINGDOM
Simon A. Clarck,Oxon                 UNITED KINGDOM
M.R. Clarke,Nottingham               UNITED KINGDOM
Clifford Clippinger,Isleworth        UNITED KINGDOM
Andrew C. Collins,Dorset             UNITED KINGDOM
R.J. Collins,Harlow, Essex           UNITED KINGDOM
Peter Comninos,Cleveland             UNITED KINGDOM
P. Cook,Cheshire                     UNITED KINGDOM
S. Cooper,London                     UNITED KINGDOM
G. Cooper,London                     UNITED KINGDOM
R.N. Cornforth,Manchester            UNITED KINGDOM
M.A. Coulson,Stafford                UNITED KINGDOM
G.A.Crawford,Cleveland               UNITED KINGDOM
Ian Curington,Sunninghill Nr Ascot   UNITED KINGDOM
K. Currie,Edinburgh                  UNITED KINGDOM
Jens Daabeck,Reading                 UNITED KINGDOM
Steve Daniels,Milton Keynes          UNITED KINGDOM
M. Davis,Hampshire                   UNITED KINGDOM
Brian D. Day,Reading                 UNITED KINGDOM
L.J. Devaney,London                  UNITED KINGDOM
P.R. Dimmer,Coventry                 UNITED KINGDOM
E.K. Dons,W. Lothian                 UNITED KINGDOM
T. Dougherty,Dundee                  UNITED KINGDOM
P.I. Dowe,Boreham Wood               UNITED KINGDOM
D. A. Duce,Oxon                      UNITED KINGDOM
J. Eades ,Aberdeen                   UNITED KINGDOM
R. Earnshaw,Leeds                    UNITED KINGDOM
Colin P. Eastham,Bucks               UNITED KINGDOM
C.J. Easton,Winchester               UNITED KINGDOM
E.A. Edmonds,Leicester               UNITED KINGDOM
G. Edmunds,Southampton               UNITED KINGDOM
J. Edmunds,Manchester                UNITED KINGDOM
M. Eggleston,Leeds                   UNITED KINGDOM
Robin V. Evans,Reading               UNITED KINGDOM
David Feary,Henley on Thames         UNITED KINGDOM
Keith J. Fermor,Oxon                 UNITED KINGDOM
E.V.C. Fielding,Oxfordshire          UNITED KINGDOM
D.L. Fisher,Leicester                UNITED KINGDOM
Alec Fitton,Northwich                UNITED KINGDOM
M.Flinders,Winchester                UNITED KINGDOM
I. Flood,Manchester                  UNITED KINGDOM
A. G. Foord,Northwich                UNITED KINGDOM
M. Formoy,Middlesex                  UNITED KINGDOM
Charles Forte,Glasgow                UNITED KINGDOM
M. Francis,Isleworth                 UNITED KINGDOM
W. Gallagher,Glasgow                 UNITED KINGDOM
J. R. Gallop,Oxon                    UNITED KINGDOM
M.J. Garrett,Winchester              UNITED KINGDOM
John C. Gilbert,Letchworth Herts     UNITED KINGDOM
D.C. Gilles,Glasgow                  UNITED KINGDOM
E. Glithero,Derby                    UNITED KINGDOM
Joe Gorman,Renfrewshire              UNITED KINGDOM
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D.L. Gray,Manchester                    UNITED KINGDOM
M.J. Gray,Ipswich                       UNITED KINGDOM
D.S. Greenaway,Oxon                     UNITED KINGDOM
J.M. Greenberg,Milton Keynes            UNITED KINGDOM
H.V. Griffiths,Winchester               UNITED KINGDOM
J.G. Griffiths,Hull                     UNITED KINGDOM
R. L. Grimsdale,Falmer, Brighton        UNITED KINGDOM
Chris Gunner,London                     UNITED KINGDOM
J. A. G. Hale,East Grinstead            UNITED KINGDOM
N.F. Hall,Durham                        UNITED KINGDOM
D.D. Hallam,Stockport                   UNITED KINGDOM
A.D. Hammond,Dorset                     UNITED KINGDOM
J. Harris,Oxford                        UNITED KINGDOM
R. Harrison,Leicester                   UNITED KINGDOM
Iain Harrod,Isleworth                   UNITED KINGDOM
A.M. Hartley,London                     UNITED KINGDOM
G.G. Haywood,Bolton Lancs.              UNITED KINGDOM
K. Heron,Newcastle upon Tyne            UNITED KINGDOM
William Terence Hewitt,Manchester       UNITED KINGDOM
M. M. Hindmarsh,Newcastle upon Tyne     UNITED KINGDOM
J. Holliday,London                      UNITED KINGDOM
S. Holmes,London                        UNITED KINGDOM
F. R. A. Hopgood,Oxon                   UNITED KINGDOM
Roger J. Hubbold,Manchester             UNITED KINGDOM
H.E. Huckle,Surrey                      UNITED KINGDOM
J. Gordon Hughes,Edinburgh              UNITED KINGDOM
James S. Hutton,Oxon                    UNITED KINGDOM
Andrew Johnson,Manchester               UNITED KINGDOM
R.D. Johnson,Coventry                   UNITED KINGDOM
C.B. Jones,Pontypridd                   UNITED KINGDOM
Claire Jones,Surrey                     UNITED KINGDOM
Ruth M. Kidd,Didcot                     UNITED KINGDOM
A. C. Kilgour,Glasgow                   UNITED KINGDOM
G.P. King,Brighton                      UNITED KINGDOM
G.H. Kirby,Hull                         UNITED KINGDOM
P. Kirstein,London                      UNITED KINGDOM
N. Kreitz,Berks.                        UNITED KINGDOM
K.Y. Kwok,Manchester                    UNITED KINGDOM
S. Laflin,Birmingham                    UNITED KINGDOM
Amanda Lane,London                      UNITED KINGDOM
John Lansdown,London                    UNITED KINGDOM
G.T. Laws,Manchester                    UNITED KINGDOM
J.A. Lee,Glasgow                        UNITED KINGDOM
D. Leifer,Aberden                       UNITED KINGDOM
C.T. Little,Bracknell                   UNITED KINGDOM
D.J. Loomes,Bradford Yorkshire          UNITED KINGDOM
P. Macliesh,London                      UNITED KINGDOM
J.C. MacDonald,Chester                  UNITED KINGDOM
Martin C. Maguire,Leicestershire        UNITED KINGDOM
Keith Male,Hamps.                       UNITED KINGDOM
R.R. Martin,Cardiff, Wales              UNITED KINGDOM
Christopher Maslen,London               UNITED KINGDOM
A.J. Mathie,London                      UNITED KINGDOM
B. T. McCrone,Warrington                UNITED KINGDOM
Paul McManus,Stockton                   UNITED KINGDOM
David J. McNeillie,Macclesfield         UNITED KINGDOM
Ann McVey,Glasgow                       UNITED KINGDOM
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D. Meader, Cambridge	UNITED KINGDOM
John Middleton, Liverpool	UNITED KINGDOM
S. Mitchell, Feltham Middlesex	UNITED KINGDOM
M.M. Mobayyen, London	UNITED KINGDOM
J. S. Morgan, Liverpool	UNITED KINGDOM
T. Morrow, Bath	UNITED KINGDOM
P.R. Muston, Leicester	UNITED KINGDOM
Peter Naisbitt, London	UNITED KINGDOM
A. Nernando, Walton on Thames	UNITED KINGDOM
Ian Newcombe, Ipswich Suffolk	UNITED KINGDOM
Mike Newens, London	UNITED KINGDOM
Mike Newman, Oxon	UNITED KINGDOM
Charles J. Nicol, Glasgow	UNITED KINGDOM
C. O'Reilly, London	UNITED KINGDOM
Daniel O'Sullivan, Berkshire	UNITED KINGDOM
M.A. Oliver, Canterbury, Kent	UNITED KINGDOM
Steve Ormerod, Stroke on Trent	UNITED KINGDOM
C.D. Osland, Chilton Didcot	UNITED KINGDOM
J. Owen, Leeds	UNITED KINGDOM
T. R. Palmer, Cambridge	UNITED KINGDOM
Robert Parslow, Middlesex	UNITED KINGDOM
R. Patel, Newcastle upon Tyne	UNITED KINGDOM
G.N. Patrick, Chilton Didcot	UNITED KINGDOM
Benjamin James Payne, Christchurch	UNITED KINGDOM
Eric G. Pearson, Cleveland	UNITED KINGDOM
D. Pearson, London	UNITED KINGDOM
John A. Phillips, Thatcham Berks	UNITED KINGDOM
J. Pilcher, Warrington	UNITED KINGDOM
B.A. Potter, Bradford	UNITED KINGDOM
M. J. Pratt, Bedford	UNITED KINGDOM
G. Preston, Oxford	UNITED KINGDOM
G.R. Prett, Reading	UNITED KINGDOM
W. A. J. Prior, Nr. Abingdon, Oxon	UNITED KINGDOM
R. Pyburn, Greenford	UNITED KINGDOM
R. Raby, London	UNITED KINGDOM
David Ratcliffe, Glasgow	UNITED KINGDOM
C.M. Rees, London	UNITED KINGDOM
J.E. Richards, Bristol	UNITED KINGDOM
P. Riley, Isleworth	UNITED KINGDOM
N. Roberts, Oxford	UNITED KINGDOM
D. Roe, Hampshire	UNITED KINGDOM
A. M. Romaya, Qxford	UNITED KINGDOM
D. Roskell, Bedford	UNITED KINGDOM
M.A. Sabin, Cambridge	UNITED KINGDOM
A.G. Seaton, London	UNITED KINGDOM
P. Seller, Oxon	UNITED KINGDOM
S. Shaw, Reading	UNITED KINGDOM
Graham Short, Bedford	UNITED KINGDOM
John Simmons, Winchester	UNITED KINGDOM
D. Simpson, Sheffield	UNITED KINGDOM
Tom Sizer, London	UNITED KINGDOM
C.A Skittrall, Northants.	UNITED KINGDOM
M. Slater, London	UNITED KINGDOM
Paul Slosarczyk, Manchester	UNITED KINGDOM
John Smallbone, London	UNITED KINGDOM
A.G. Smith, Cambridge	UNITED KINGDOM
Jenny Smith, Harlow Essex	UNITED KINGDOM

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Eric Smith,Tewkesbury                   UNITED KINGDOM
R. Spence,London                        UNITED KINGDOM
R.G. Spiers,Horsham                     UNITED KINGDOM
J. Steel,London                         UNITED KINGDOM
Donald D. Stern,Rottenrow Glasgow       UNITED KINGDOM
Elliott Stoneham,Ipswich Suffolk        UNITED KINGDOM
Neil Storey,Coventry                    UNITED KINGDOM
I. Stratford,Cambridge                  UNITED KINGDOM
J.,Stratford,London                     UNITED KINGDOM
John P. Sturt,Thatcham Berks            UNITED KINGDOM
Dale C. Sutcliffe,Oxon                  UNITED KINGDOM
Alan Sutcliffe,London                   UNITED KINGDOM
Robert J. Sutherland,Oxfordshire        UNITED KINGDOM
M.A.M. Suwais,Birmingham                UNITED KINGDOM
E. T. Sweeney,Oxford                    UNITED KINGDOM
A. Sweeney,Oxon                         UNITED KINGDOM
M. Tahseen,Middlesex                    UNITED KINGDOM
Alan Taylor,Horsham Sussex              UNITED KINGDOM
F.N. Teskey,Manchester                  UNITED KINGDOM
J.C. Thomas,Reading                     UNITED KINGDOM
Paul Titcomb,Ipswich Suffolk            UNITED KINGDOM
P.G, Toghill,Hampshire                  UNITED KINGDOM
I, Tzavaras,London                      UNITED KINGDOM
Mark Van Harmelen,Manchester            UNITED KINGDOM
Barbara Wallis,Cleveland                UNITED KINGDOM
D. Wardleworth,Dorchester, Dorset       UNITED KINGDOM
Ernest A. Warman,Petersborough          UNITED KINGDOM
K. Warner,Mill Lane                     UNITED KINGDOM
Howard Watkins,Henley-on-Thames         UNITED KINGDOM
K.M. Webb,Harlow Essex                  UNITED KINGDOM
E.B. Webster,Dorset                     UNITED KINGDOM
C. C. Wheeler,Horsham, W.Sussex         UNITED KINGDOM
R.P. White,Herts.                       UNITED KINGDOM
Peter Whitefield,Suffolk                UNITED KINGDOM
Craig Whitehead,London                  UNITED KINGDOM
P. Wilkes,Cheshire                      UNITED KINGDOM
D.E. Wilkinson,Milton Keynes            UNITED KINGDOM
R. Witty,Oxon                           UNITED KINGDOM
R.T. Wood,Middlesex                     UNITED KINGDOM
H.S. Woodgate,Berks.                    UNITED KINGDOM
H.K.F. Yeung,Didcot Oxon                UNITED KINGDOM
Juerg Mueller,Ipswich Suffolk           UNITED KINGDOM
B.W., Heal,Portsmouth                   UNITED KINGDOM
S.J. Legg,Oxford                        UNITED KINGDOM
John Mc Kay,Darlington                  UNITED KINGDOM
Mark Whitton,Bradford                   UNITED KINGDOM
M.P. Hooper,Oxford                      UNITED KINGDOM
Robert T. Aangeenbrug,Fairfax, Virgi    UNITED STATES
Chuck Batishko,Bellingham WA            UNITED STATES
R.D. Bergeron,Durham                    UNITED STATES
Harold Blair,Austin TX                  UNITED STATES
Patrick Burgess,Boulder, Colorado       UNITED STATES
Edward Byrnes,Cambridge MA.             UNITED STATES
Janet S. Chin,Cupertino, CA             UNITED STATES
E. Forrest,Carlsbad CA                  UNITED STATES
Richard A. Hahn,Austin, Texas           UNITED STATES
Bruce C. Hahn,Austin,  TX               UNITED STATES
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Tom Hall,Austin, Texas               UNITED STATES
William S. Little,Mass.              UNITED STATES
Peter Marcus,Stratford CT           UNITED STATES
Maria Mezzina,Chicago, Ill          UNITED STATES
Ware Myers,Los Alamitos, Ca         UNITED STATES
Theodore N. Reed,Los Alamos, NM     UNITED STATES
F.J. Sabatini,Kingston NY           UNITED STATES
Baldev Singh,Ridgefield, Conn.      UNITED STATES
Caby C. Smith,Washington D.C.       UNITED STATES
Dawn A. Smith,Shrewsbury Mass.      UNITED STATES
D.H. Straayer,Wilsonville, OR       UNITED STATES
G.J. Sutty,Costa Mesa CA            UNITED STATES
Charles H. Tucker,Austin, Tx        UNITED STATES
Drew Webb,Cambridge MA              UNITED STATES
Viatscheslav Klimov,Moscow          USSR
Ivo Agatic,Banja Luka               YUGOSLAVIA
S. Bader,Maribor                    YUGOSLAVIA
J. Barbic,Ljubljana                 YUGOSLAVIA
Mladen Berkovic,Beograd             YUGOSLAVIA
Franc Bozic,Ljubljana               YUGOSLAVIA
Stevo Bozinovski,Skopje             YUGOSLAVIA
J. Cep,Maribor                      YUGOSLAVIA
Drasko Cosic,Novi Beograd           YUGOSLAVIA
Spartako Crnjaric,Rijeka            YUGOSLAVIA
Zarko Cvetanovic,Sarajevo           YUGOSLAVIA
Darko Degoricija,Zagreb             YUGOSLAVIA
Habiba Demirdzic,Sarajevo           YUGOSLAVIA
Slobodan Dinic,Novi Beograd         YUGOSLAVIA
Sasa Divjak,Ljubljana               YUGOSLAVIA
Milos Djuric,Beograd                YUGOSLAVIA
Dragan Domazet,Nis                  YUGOSLAVIA
Janez Duhovnik,Ljubljana            YUGOSLAVIA
Joze Duhovnik,Ljubljana             YUGOSLAVIA
Zoran Draskovic,Zarkovo             YUGOSLAVIA
Zeljko Ernecic,Rasa                 YUGOSLAVIA
Ljubo Galic,Sarajevo                YUGOSLAVIA
Miro Germ,Ljubljana                 YUGOSLAVIA
B. Golob,Maribor                    YUGOSLAVIA
Anica Grandovec,Grosuplje           YUGOSLAVIA
Ivan Gvardjancic,Ljubljana          YUGOSLAVIA
Edib Hadzihasanovic,Sarajevo        YUGOSLAVIA
Miroslav Hajdukovic,Sarajevo        YUGOSLAVIA
Gorazd Hlebanja,Ljubljana           YUGOSLAVIA
Alojz Hussu,Ljubljana               YUGOSLAVIA
Zvonimir Jamsek,Todraz              YUGOSLAVIA
Nenad Jelovac,Zagreb                YUGOSLAVIA
Anton Jezernik,Maribor              YUGOSLAVIA
Tome Joleski,Skopje                 YUGOSLAVIA
Nikola Jovanovic,Sarajevo           YUGOSLAVIA
Milan Kac,Maribor                   YUGOSLAVIA
Tatjana Kandikjan,Skopje            YUGOSLAVIA
Mehmed Kantardzic,Sarajevo          YUGOSLAVIA
Z. Kodric,Maribor                   YUGOSLAVIA
Rajko Kolar,Ljubljana               YUGOSLAVIA
Beno Kotnik,Ravne Na Koroskem       YUGOSLAVIA
Srdjan Kovacevic,Sarajevo           YUGOSLAVIA
Avgust Krajnc,Ravne Na Koroskem     YUGOSLAVIA
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Z. Kristek,Slavonski Brod	YUGOSLAVIA
Nenad Kukic,Novi Beograd	YUGOSLAVIA
B. Lakner,Ljubljana	YUGOSLAVIA
D. Levstek,Ljubljana	YUGOSLAVIA
Vlado Ljubic,Ljubljana	YUGOSLAVIA
Bojan Logar,Ljubljana	YUGOSLAVIA
Dusan Malesevic,Banja Luka	YUGOSLAVIA
Dorian Marjanovic,Zagreb	YUGOSLAVIA
M. Martinec,Ljubljana	YUGOSLAVIA
Stanisa Martinovic,Novi Sad	YUGOSLAVIA
M. Marusic,Ljubljana	YUGOSLAVIA
Farid Mehovic,Sarajevo	YUGOSLAVIA
Tomislav Mikulic,Zagreb	YUGOSLAVIA
Danijel Nadj,Novi Sad	YUGOSLAVIA
Slobodan Navalusic,Novi Sad	YUGOSLAVIA
Tomislav Nevjestic,Zagreb	YUGOSLAVIA
Nenad Pataky,Ljubljana	YUGOSLAVIA
Branimir Piry,Ljubjana	YUGOSLAVIA
Martin Prasnicki,Maribor	YUGOSLAVIA
Jurij Pratnekar,Ravne Na Koroskem	YUGOSLAVIA
Tone Pratnekar,Ravne Na Koroskem	YUGOSLAVIA
Boris Prelc,Ljubljana	YUGOSLAVIA
R. Pristavec,Maribor	YUGOSLAVIA
Darko Pungercar,Ljubljana	YUGOSLAVIA
Svetislav Ristic,Sarajevo	YUGOSLAVIA
Bozidar Rogic,Zagreb	YUGOSLAVIA
Boris Rosovic,Rijeka	YUGOSLAVIA
Zoran Salcic,Sarajevo	YUGOSLAVIA
Marija Santak,Zagreb	YUGOSLAVIA
Ivan Secic,Zagreb	YUGOSLAVIA
Mladen Sedmak,Slavonski Brod	YUGOSLAVIA
Joze Segel,Ravne Na Koroskem	YUGOSLAVIA
Srecko Seljan,Zagreb	YUGOSLAVIA
Branislav Skoro,Zagreb	YUGOSLAVIA
Boris Sovic,Maribor	YUGOSLAVIA
Jure Spiler,Ljubljana	YUGOSLAVIA
Vlado Suznjevic,Zagreb	YUGOSLAVIA
x. Tetickovic,Maribor	YUGOSLAVIA
Stanko Tibljas,Rijeka	YUGOSLAVIA
Milos Toni,Ljubljana	YUGOSLAVIA
Stanko Turk,Zagreb	YUGOSLAVIA
Aleksandar Vasiljev,Rijeka	YUGOSLAVIA
Dusan Veljkovic,Nis	YUGOSLAVIA
Vojislav Vojnovic,Novi Sad	YUGOSLAVIA
B. Voljc,Maribor	YUGOSLAVIA
Sonja Vrcic,Sarajevo	YUGOSLAVIA
Svetlana Vukmirovic,Sarajevo	YUGOSLAVIA
Z. Zivec,Maribor	YUGOSLAVIA

APPENDIX 6

FORMS FOR REIMBURSEMENTS
FROM THE EUROGRAPHICS ASSOCIATION

EUROGRAPHICS ASSOCIATION

TRAVEL EXPENSES CLAIM

Name :
Institution :
Address :   Street :
            City   :
            State/Country :

Purpose of journey :

Dates of journey   :

Nature of expenditure	Foreign currency	Exchange	Swiss Francs
		Total	

Please attach all relevant documents : transportation
tickets, bills of hotels & restaurants, etc.

Remarks :

Banking informations (for the transfer of money).

Name of the beneficiary :
Name of the Bank (or branch) :
Account number :
Bank sorting-code (if exists) :
Address :   Street :
            City   :
            State/Country :

I certify that the journey took place and expenses were incurred as
stated above.

Location and date :   Signature :

EUROGRAPHICS ASSOCIATION

REQUEST FOR GRANT OR CONTRIBUTION

Name :

Institution :

Address :   Street :

            City   :

            State/Country :

Amount of the grant or contribution :

Foreign currency	Exchange	Swiss Francs

Purpose of the grant or contribution :

Banking informations (for the transfer of money).

Name of the beneficiary :

Name of the Bank (or branch) :

Account number :

Bank sorting-code (if exists) :

Address :   Street :

            City   :

            State/Country :

Location and date :   Signature :

EXPENSES CLAIM

Name :

Institution :

Address :   Street :

            City   :

            State/Country :

Nature of the expenses :

Nature of expenditure	Foreign currency	Exchange	Swiss Francs
		Total	

Please attach all relevant documents.

Banking informations (for the transfer of money).

Name of the beneficiary :
Name of the Bank (or branch) :
Account number :
Bank sorting-code (if exists) :
Address :   Street :
            City   :
            State/Country :

I certify that the expensives were incurred as stated above.

Location and date :   Signature :

APPENDIX 7

APPLICATION FORM FOR EG ANNUAL EVENT

APPLICATION FORM FOR EUROGRAPHICS ANNUAL EVENT

1. **Proposed Site Details**

   Country: ....

   City: ....

   Proposed venue(s): ....

      Address: ....

              ....

              ....

      Is site affiliated to a university? (*yes/no*) If yes, state which.

      ....

      Number and seating capacity of lecture theatres and assembly halls:

      ....

      Area in square metres available for exhibition: ....M^2

      Exhibition environment details - air conditioning, power supplies,
   telephones etc. ....

      What facilities are available for coffees, teas and other refreshments?

      ....

      ....

      What audio-visual aids are availble? ....

      ....

      Outline costings for hire of facilities: ....

      ....

      ....

      ....

2. **Accommodation**

   Summarise accommodation available on site: ....

   ....

   ....

Summarise accommodation available in hotels, state number/category of hotels, rooms available, rough costs: ....

....

....

3. Local Restrictions

Are there any travel restrictions or special visa requirements? If so, give details: ....

....

....

Are there any currency restrictions? ....

....

Are there any import/export restrictions on equipment for the

exhibition? ....

....

4. Local Organisation

Name of Chairman and composition of local organising committee:

....

....

....

....

Are the organisers acting on their own behalf, or on behalf of some other association (e.g. national computer society)? If the latter, give details of the association, including a copy of the scope and purpose and constitution: ....

....

....

....

....

....

Can a budget be obtained locally to run the conference? ....

....

Is EUROGRAPHICS expected to underwrite any losses? If so, give
details: ....

....

....

....

What support will the organisers receive from their
institution? ....

....

....

5. Sponsorship
    Will any other organisations have financial involvement in the
    conference? If so, give full details of what and include
    details of the organisations concerned: ....

    ....

    ....

    ....

    ....

6. Organisation
    Will a professional conference organiser be involved in staging
    the event? If so, give details of the organisation, services
    offered and approximate costs: ....

    ....

    ....

    ....

§ Delete whichever applicable.

APPENDIX 8

APPLICATION FORM FOR LIAISONS

APPLICATION FORM FOR LIAISONS

1. Name and address of Institution: ....

    ....

    ....

    ....

2. Nature of organisation: ....

    Membership - open/closed: ....

    Number of members: ....

    Constraints (e.g. restrictions on nationality, whether single,
    private, institutional membership): ....

    ....

    ....

    ....

3. Profit/Non-profit organisation? ....

    - Are there any commercial activities, or special selections made
      with regard to commercial institutions? If so, give details:

    ....

    ....

    ....

4. Scope and Purpose

    - What is the main subject? ....

    - How is it dealt with (e.g. journal, conferences other activities):

    ....

    - What is the compliance with the scope and purpose of the
      EUROGRAPHICS Association? (See note.)

....

....

....

5. Nature of liaison proposed, whether:

    - exchange of information

    - mutual collaboration

    - special arrangements (discounts)

    - representatives to be appointed

    - do you foresee future common activities?

    - restrictions on dissemination of information (copyright, non-
      disclosure)

    ....

    ....

    ....

    ....

    ....

    ....

6. Information to be provided:

    - copy of your constitution and bylaws

    - current executives (give names and affilitation)

    - summary of recent activities:

    ....

    ....

    ....

    ....

    ....

7. Liaisons with other institutions which you already hold: ....

    ....

    ....

    ....

APPENDIX 9

APPLICATION FORM FOR INSTITUTIONAL MEMBERSHIP

APPLICATION FORM FOR INSTITUTIONAL MEMBERSHIP

1. Name and Address of Institution: ....

    ....

    ....

    ....

2. Type of Institution (industrial company, marketing company, research
    institute, university, school, library, etc.): ....

    ....

    Number of members: ....

    Area(s) of activity: ....

    ....

    Institutional member of the following computer graphics organisations:

    ....

    ....

    ....

3. List of former activities (seminars, courses, exhibitions, etc.):

    Title   Topic   No. of Participants

    ....

    ....

    ....

    ....

    ....

With this, we apply for institutional membership in the EUROGRAPHICS
Association.

Date: .... 19..   Signed: ....
                                              (for the Institution)

                                              ....
                                              (contact person)

APPENDIX 10

MEMBERSHIP APPLICATION FORM

EUROGRAPHICS
The European Association for Computer Graphics

Membership Form

Please return this form with a cheque to the address indicated below. In case you cannot obtain a cheque, you may also use the Bank account below. In this case, it is imperative that you indicate on the bank transfer your full name and address, and make sure that such information is transmitted to the Association.

The purpose of the Association is and shall be to contribute to and promote the advancement of computer graphics, primarily in Europe, by all suitable means and in particular:

* by providing a forum for the discussion of subjects of common interest;

* by providing means whereby action can be taken on those matters which it appears desirable to handle on the international level;

* by establishing relations with other similar associations national or international;

* by issuing a newsletter on current and future events and developments.

The current membership of the Executive Board of the EUROGRAPHICS Association is:

Chairman   J. Encarnacao (Germany)
Vice-Chairman P. ten Hagen (Netherlands)
Vice-Chairman D. Duce (United Kingdom)
Secretary   C. Vandoni (Switzerland)
Treasurer   C. Pellegrini (Switzerland)

Membership of the Association is open to individuals, groups and institutions. The annual fee for individuals is 50.- Sfr. In addition, there is a registration fee of 10.- Sfr. for new members. There is also an overseas airmail surcharge of 20.- Sfr. for Members residing outside continental Europe.

A free subscription to *Computer Graphics Forum* is included in the EUROGRAPHICS membership fee. Individual membership applications should be made on the form below. For information on group or institutional membership, please write to the secretary at the address below.

I apply for membership of the EUROGRAPHICS Association:

Title:

Name:

Address:

Country:

● Annual fee: 50.- Sfr.

● Registration fee: 10.- Sfr.

● Overseas airmail surcharge: 20.- Sfr.

● Cheque enclosed.

● Transfer has been/ will be made to the EUROGRAPHICS bank account.

Eurographics Association
Account No. 282.107.00 K
Union Bank of Switzerland
8, Rue du Rhone, Case postale
1211 Geneva 11 Switzerland

(Please delete as appropriate)

Date: Signature:

Return address for membership applications and enquiries:

EUROGRAPHICS Association
P.O. Box 16
1288 Aire-la-Ville
Switzerland