

August 25, 1998

International Society for Bioluminescence and Chemiluminescence
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College Station, TX 77843-2128

PART II. ACTIVITIES AND OPERATIONAL INFORMATION

Line 1. Activities of the International Society for Bioluminescence and Chemiluminescence

Past activities (prior to incorporation):

The Society was organized as a nonprofit corporation in the state of Texas by an international group of scientists, biologists, chemists, biochemists, and physicists, from both academic institutions and private industry in a number of countries, who had been convening international educational/research symposia since 1972, at a frequency of approximately every two years since 1981. The past symposia have provided a) an opportunity for scientists involved in basic research and scientists involved in applications of bioluminescence and chemiluminescence, from academic and research institutions and from industry, to interact and communicate; b) a venue for communication of research results, c) information on recent advances in methodology and instrumentation for bioluminescence and chemiluminescence, and d) practical workshops on use of specific methods and instruments. Work communicated at each symposium has been documented in a published volume.

Previous international symposia were convened in

Athens, GA, USA (1972)

La Jolla, CA, USA (1981)

Birmingham, England (1984)

Florence, Italy (1988)

Freiburg, (West) Germany (1986)

Cambridge, England (1990)

Banff, Alberta, Canada (1993)

Cambridge, England (1994) At the 1994 symposium, the group voted to organize, elected charter officers and discussed its general and specific aims, but no formal organizational structure (constitution or bylaws) was adopted.

Woods Hole, MA, USA (1996) At the 1996 symposium, the group voted to incorporate under the name "International Society for Bioluminescence and Chemiluminescence" as a nonprofit corporation in Texas, adopted Articles of Incorporation and Bylaws (**attachments 1A and 1B**), and elected new officers and other directors for an Executive Council as specified in the organizational documents.

(Line 1, continued)

Present and future activities:

It is difficult to assign percentage times devoted by the corporation (the Society) to the various activities listed below, because the activities are carried out by individual members and officers of the International Society for Bioluminescence and Chemiluminescence on a volunteer basis; the Society has no paid employees at the present time.

The principal activity of the Society is the sponsorship/organization of international symposia as a continuation of the previous series (see above), at approximately 2-year intervals. These symposia are open to any interested party who pays a registration fee which defrays the costs of the conference. The 10th Symposium will be held in Bologna, Italy, September 4 - 8, 1998. It is being organized by a member of the Society, Prof. Aldo Roda of the University of Bologna. A copy of the second announcement for the symposium (with tentative program) for the symposium is attached (**attachment 1C**); the information is also available on the Society/Symposium web site (<http://www.unibo.it/dipscifarm/chimanal>). The proceedings of this and future symposia will continue to be published as they have been in the past, in hardbound book form. The location and organizers of each future symposium are selected 2 years in advance from proposals presented to the Executive Council of the Society at each current symposium.

The Society web site was set up in early 1998 and is still "under construction"; it will be used for posting announcements of Society-sponsored conferences and workshops and scientific meetings in other related scientific areas, as well as news items and other notices of interest to both members and nonmembers. The Society may in the future also develop a professional journal for publication of research results in bioluminescence and chemiluminescence.

Some individual members of the Society are actively involved in adapting experiments using bioluminescence and chemiluminescence to illustrate general scientific principles in laboratory courses and demonstrations at the elementary, secondary and university levels. The protocols for these experiments and demonstrations are made available to other scientists, both members and nonmembers, to use at their own institutions and to communicate to teachers in their local schools.

As part of its educational function, the Society plans in the future to make travel grants available to assist pre- and postdoctoral students to attend the international symposia to present research results. Currently, finances are limited, and even invited speakers at the symposia receive no guarantee that their registration fees or travel expenses will be reimbursed.

Attachment 1C (2nd announcement of 10th Symp) Bologna 9/98 was attached to original (not copied here)

(Line 1: Present and future activities, continued)

The Society will also continue a tradition begun by the unincorporated group, the awarding of prizes for the best research presentations by young scientists at each international symposium. These prizes, the "Marlene DeLuca Prizes" have been funded by a contribution for each symposium (\$6000 for the 1996 symposium) from EG&G Berthold.

A major purpose of the Society is the promotion of public understanding of science. To further that aim, a proposal which has been made and will be discussed at the next Executive Council meeting (September 1998) is that \$5800 in residual funds from the 1996 international symposium (which were not formally in a Society account, as the Society has no assets yet in its own name) be contributed to the Marine Biological Laboratory in Woods Hole, MA [a 501(c)(3) organization], where the 1996 symposium was held, for support of scholarships enabling journalists from both the U.S. and other countries to participate in a science writing course taught each summer at the Marine Biological Laboratory.

Line 2. Sources of financial support

The Society anticipates three sources of financial support:

A. Membership dues. Dues for 1998 are \$50 for individual memberships, \$30 for student memberships, and \$500 for corporate memberships. The Society anticipates a 1998 membership of about 150 individual members (some being students) and perhaps about 5 corporate members, with a total predicted annual dues income of very approximately \$10,000. Members will receive no tangible benefits of membership other than their own educational benefit and that of more effective communication with other scientists in the same field; membership dues will be supporting the Society's aims of education and research communication in bioluminescence and chemiluminescence and in science in general, and members and officers/directors volunteer their own efforts toward the furthering of those aims.

The 1998 dues/membership form, with accompanying letter from the current Society President, was mailed in early May 1998; a copy of that mailing is appended here (**attachment 1D**).

B. Residual funds from biennial international scientific symposia. The Society will be providing "seed money" for the initial organization of each international symposium (currently \$5000) to defray the costs of printing and mailing announcements, etc., which are to be repaid from the registration fees for the symposium. If there are residual funds when a symposium has paid all its expenses

attachment
1D (1998
dues solicitation)
x program
letter
was attached
to original
copy filed
here

(Line 2, Sources of financial support, continued)

(including repayment of the "seed money"), the Bylaws state that such funds will belong to the Society. It is difficult to predict the amount of such funds, since symposia held in different venues have very different expenses and registration fees, but the income from residual funds from the biennial international symposia might be about \$4000 - \$8000 from each symposium, or about \$2000 - \$4000 on an annualized basis. The Society does not intend to have large surpluses from the symposia; on the contrary, the organizers of the symposia try to keep the registration fees no higher than necessary to cover the conference expenses, to enable as many participants as possible and in particular as many students as possible to attend the meetings.

C. Corporate and individual donations. A possible source of financial support for the Society will be corporate and/or individual donations to be used for prizes, travel support for young scientists to attend symposia, etc., but at present it is impossible to predict how successful the Society will be in attracting such donations. A very approximate prediction (perhaps more accurately described as a goal) for donations might be about \$2000 - \$5000/year starting in 1999 or 2000.

Line 3. Fundraising program

The Society did not collect dues for 1997, but has solicited membership dues for 1998 by mailing membership forms to a mailing list developed from previous international symposium attendees; there is also an invitation to join on the Society/Symposium web site. Membership forms will also be available at the 1998 symposium. The responsibility for soliciting dues rests with the elected treasurer of the Society; all of the Society officers volunteer their time -- the Society has no paid employees nor any current plans to employ professional fundraisers. A copy of the 1998 membership/dues solicitation form is attached (**attachment 1D**). There are no other formal solicitations planned at this time.

Line 4. Governing Body (Executive Council)

**a) Names, addresses and titles of council members
(other contact information available on request)**

**b) Compensation
(None for any
Council member)**

Dr. Frank McCapra, PRESIDENT
26 Southdown Rd.
Seaford, Sussex BN25 4PG
UK

(Line 4, Governing body, continued)

Dr. J. Woodland Hastings, IMMEDIATE PAST PRESIDENT
Department of Molecular and Cellular Biology
The Biological Laboratories
Harvard University
16 Divinity Ave
Cambridge, MA 02138-2020
USA

Dr. Peter J. Herring, PRESIDENT-ELECT
Southampton Oceanography Centre
Empress Dock
Southampton SO14 3ZH
UK

Dr. Dennis J. O'Kane, SECRETARY
Mayo Foundation
730A Hilton Bldg.
200 First Street, S.W.
Rochester, MN 55905
USA

Dr. Shiao-Chun (David) Tu, TREASURER
Biochemical & Biophysical Sciences
University of Houston
Houston, TX 77204-5934
USA

Dr. Larry J. Kricka, PUBLICATIONS SECRETARY
Director, General Chemistry
Univ. of Pennsylvania Medical Center
7.103 Founders Pavilion
3400 Spruce St
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USA

Mr. Anselm Berthold, COUNCILOR
Berthold Detection Systems GmbH
Bleichstrasse 3 A
D-75173 Pforzheim
GERMANY

(Line 4, Governing body, continued)

Dr. Anthony K. Campbell, COUNCILOR
Dept. of Medical Biochemistry, 5th Floor
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UK

Dr. Arne Lundin, COUNCILOR
BioThema AB
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Dr. A. Paul Schaap, COUNCILOR
President, Lumigen, Inc.
24485 W Ten Mile Rd
Southfield, MI 48034
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Dr. Natalia Ugarova, COUNCILOR
Chemical Enzymology
Department of Chemistry
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Moscow 119 899, RUSSIA

Dr. Miriam M. Ziegler, COUNCILOR (and Registered Agent)
Dept. of Biochemistry and Biophysics
Texas A&M University
College Station, TX 77843-2128
USA

Line 11. Membership

a) Membership requirements and membership dues

Membership qualifications (described in Bylaws, p. 2, section 3.02) are simple: the person or corporation must share the stated purpose of the Society and have educational, research, or practical experience in bioluminescence and/or chemiluminescence or in an allied scientific field.

Dues for 1998 have been set by the Executive Council at \$50 for individual members, \$30 for student members, and \$500 for corporate members. (There are currently no corporate members.)

(Line 11. Membership, continued)

b) Efforts to attract membership

As described under Line 3, the Society has mailed 1998 membership forms to a mailing list developed from previous international symposium attendees; there is also information about joining the Society on the Society/Symposium website. Membership forms will also be available at the 1998 symposium. A copy of the 1998 membership/dues solicitation form is attached (**attachment 1D**). In order to attract pre- and post-doctoral students to join, the Society has set very nominal student membership dues of \$30 per year, and hopes that when they finish their studies they will become regular members.

c) Benefits to be received by members

Members currently receive no tangible benefits of membership. The Bylaws permit the Executive Council to grant privileges to corporate members, such as the right to set up exhibits at Society-sponsored symposia or the right to set up links from the Society web site to the company's web site. Individual members may be permitted to register at reduced rates for the international symposia. (The 1998 symposium has an advance registration fee of \$450 for nonmembers, and \$400 for members.) In the future, if the Society develops a professional journal for publication of research results in bioluminescence and chemiluminescence, a subscription to the journal might (at the discretion of the Executive Council) be included in membership dues.

Intangible benefits include the right to vote, to hold office, and to sponsor papers at meetings of the Society. Members are motivated to join the Society in order to support the Society's broad aims of improving education and research communication in bioluminescence and chemiluminescence and in science in general, and for their own educational benefit. They volunteer their own efforts toward the work of the Society in furthering those aims.