

**UNCC CHARLOTTE**The University of North Carolina at Charlotte  
Charlotte, N.C. 28223

e mail MWEVANS at UNCC.EDU

Department of Physics  
704/547-2536  
FAX 704/547-31608/3/94**THE STANISLAW KIELICH INSTITUTE.**

Dear Colleague,

After discussions by e mail and fax it has been decided to draft a letter for the various funding agencies to be signed by senior participants. The enclosed is a draft for your views and input. If you are already satisfied with it please sign it alongside your name on the signature page and return it to the above address. The complete final draft will then be used to open negotiations for stage one funding with a variety of agencies. I encourage you to bring up the idea at meetings and to act as you judge best for individual fund raising efforts.

At some point in the near future the SKI will be brought into legal existence and a fund legally established for it, probably in Zurich.

Cordially yours,

(Dr. M. W. Evans, professor of physics).



e mail MWEVANS at UNCC.EDU

Department of Physics  
704/547-2526  
FAX 704/547-3160

March 9, 1994,

The Soros Roma Foundation,  
Hoschgasse 54,  
8008 Zurich,  
SWITZERLAND,

THE STANISLAW KIELICH INSTITUTE.

Dear Soros Roma,

In a letter of Feb. 24th, Chris Williams of the ISF in Washington kindly suggested that an approach be made to the Soros Roma and other foundations and agencies for catalyst funding for the formation in Switzerland of the Stanislaw Kielich Institute for Nonlinear and Quantum Optics. We the undersigned, being leading experts in the field, support the establishment of SKI in honour and memory of a great man, Stanislaw Kielich.

From the outset, participation of Commonwealth scientists is of key importance, because much of the important work in this field emanates from those countries, and from Mid European neighbours. It has been decided to plan the establishment of SKI in two stages, and in this approach we are floating the idea to you that you may be able to support, in part or in the whole, Stage 1. The latter comprises the establishment of catalyst staff, who would be based in Zurich itself and who would be full time fund raisers and intermediaries for stage 2, intermediaries between the active scientists and various funding agencies around the world. We anticipate that three catalyst staff would be required initially, with support staff and funds (secretarial, travel, communications, overheads, and other, for example legal costs for establishing the institute legally under the Cantonal Law of Zurich).

Stage 2 is designed to establish the permanent scientific and support staff, equipment, overheads, and infra structure of the Institute, possibly along the lines of the Lyceum Alpinum in a pleasant area of the Engadine. It would for example establish the annual budget for SKI, drawn from many agencies and Governments around the world. The Swiss HQ of the Institute would be augmented by branches throughout the world, and coordination and growth of existing cooperative projects would of course be encouraged and coordinated.

Nonlinear and Quantum Optics is of great and growing importance in our contemporary international community. Recently, a landmark in the field has been reached with the publication in three volumes of "Modern Nonlinear Optics", edited by the late Stanislaw Kielich and one of us, Dr. M. W. Evans. This was volume 85 of the heralded "Advances in Chemical Physics" series, familiar to many throughout the scientific world. Several of the leading contributors were from Commonwealth countries.

Volume 85(1) sold out in a few weeks and was recently reprinted by John Wiley and

Sons Inc., of New York City, a leading scientific publishing house. In view of this unprecedented success, the establishment of SKI was suggested, the idea floated internationally, and accepted with enthusiasm. It has been suggested that the catalyst staff work out of Zurich, with its strong scientific reputation. We hope to obtain the agreement of the Swiss authorities for this idea, and furthermore, hope that the President of ETH will agree to house the catalyst staff there in that famous location.

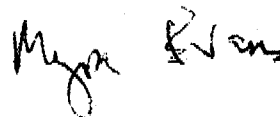
It is obvious to us the undersigned, being experienced scientists in the field, that the SKI would be recognised immediately as an international centre of excellence, and would ultimately give rise to projects of major importance, both in pure and applied nonlinear and quantum optics. Indeed, attempts to obtain funding for SKI have started spontaneously already. In much the same way that CERN, Geneva, for example, produces highly successful cooperative work in nuclear physics, SKI is anticipated to do much the same in nonlinear and quantum optics. Among areas of importance are light squeezing, fibre optics, quantum statistics, communications, optical computing, and light matter interaction. These are important topics taken at random and in no particular order, but illustrate the importance of the field.

SKI would be seen as a fitting tribute to Stanislaw Kielich, a pioneer, and the ex Director of the Nonlinear Optics Institute in Adam Mickiewicz University, Poznan, Poland.

We the undersigned therefore seek your views on the possibility of funding from the Soros Roma Foundation for Stage 1, salaries and other funding for catalyst staff. We would also be interested in your views on the possibility of part funding from the Soros Roma Foundation for Stage 2, although the major part of that funding is anticipated to be Governmental in Nature, for example coordinated by the European Science Foundation and similar agencies, in much the same way as CERN is funded by Governments. This would be a major duty of the catalyst staff. From the outset, we anticipate the involvement of U.S. and Japanese Funding sources as well as European sources, making this a truly international effort. Detailed project planning would be the responsibility of catalyst staff under stage 1.

We look forward to your views and suggestions. The best in the world of nonlinear and quantum optics are already represented in this idea, so that we feel that the scientific quality is assured.

Cordially Yours,



(Dr. M. W. Evans, Professor of Physics).

e mail MWEVANS at UNCC.EDU.



UNCC<sup>®</sup> CHARLOTTE

The University of North Carolina at Charlotte  
Charlotte, N.C. 28223

e mail: MWEVANS at UNCC.EDU  
e mail MWEVANS at UNCC.EDU

Department of Physics  
704/547-2536-20  
FAX 704/547-3160

May 20, 1994,

Senior Colleagues,  
Stanislaw Kielich Institute,  
Stage One Initiative,

Dr. M. W. Evans  
50 Rhyddwen Road  
Craigcefnparc, Swansea,  
SA6 5RA, Gr. Britain

To August 20th  
+44 792  
846422

Dear Colleague,

I am pleased to send you details of the first approach of the Stage One Initiative, designed to obtain catalyst funding. The overall strategy is obviously that of a combined approach to many agencies by some of the world's best nonlinear opticians. If funds are obtained for the Stage One plan, it would be essential to appoint good fund raisers, who also have scientific ability and good communication skills.

Naturally, each individual participant is encouraged to use his or her initiative to ~~procure funding for stage one, and to build on this initial approach to Soros Roma. The latter~~ is one of many agencies that can be approached for stage one catalyst funding. We are asking initially for a very modest amount of support, but the catalyst staff of Stage One will have the key task of building up major funding from Governmental sources as well as from Private and Industrial Foundations.

Cordially Yours,

(Dr. M. W. Evans, professor of physics)

*Myra Evans*



UNCC<sup>®</sup>CHARLOTTE

The University of North Carolina at Charlotte  
Charlotte, N.C. 28223

2520

e mail MWEVANS at UNCC.EDU

Department of Physics  
704/547-2536  
FAX 704/547-3160

May 20th, 1994,

President,  
The Soros Roma Foundation,  
Hoschgasse 54,  
8008 Zurich,  
SWITZERLAND,

Univ. R  
Aug 20th  
+44 792  
846422 at

Dr. M. W. Evans  
50 Rhyddwen Road  
Craigcefnparc, Swansea,  
SA6 5RA, Gr. Britain

# THE STANISLAW KIELICH INSTITUTE.

Dear President,

In a letter of Feb. 24th, Chris Williams of the ISF in Washington kindly suggested that an approach be made to the Soros Roma and other foundations and agencies for catalyst funding for the formation in Switzerland of the Stanislaw Kielich Institute for Nonlinear and Quantum Optics. We the undersigned, being leading experts in the field, support the establishment of SKI in honour and memory of a great man, former Director of the Nonlinear Optics Division of the Adam Mickiewicz University at Poznan in Poland. SKI would be seen as a fitting tribute to him.

From the outset, participation of scientists from the former Soviet Union (the Commonwealth Countries) is of key importance, because much of the important work in this field emanates from those countries, and from Mid European neighbours. It has been decided to plan the establishment of SKI in two stages, and in this approach we are floating the idea to you that you may be able to support, in part or in the whole, Stage 1. The latter comprises the establishment of catalyst staff, who would be based in Zurich itself and who would be full time fund raisers and intermediaries for stage 2, intermediaries between the active scientists and various funding agencies around the world. We anticipate that three catalyst staff would be required initially, with support staff and funds (secretarial, travel, communications, overheads, and other, for example legal costs for establishing the institute legally under the Cantonal Law of Zurich).

Stage 2 is designed to establish the permanent scientific and support staff, equipment, overheads, and infra structure of the Institute, possibly along the lines of the Lyceum Alpinum in a pleasant area of the Engadine. It would for example establish the annual budget for SKI, drawn from many agencies and Governments around the world. The Swiss HQ of the Institute would be augmented by branches throughout the world, and coordination and growth of existing cooperative projects would of course be encouraged and coordinated.

Nonlinear and Quantum Optics is of great and growing importance in our contemporary international community. Recently, a landmark in the field has been reached with the publication in three volumes of "Modern Nonlinear Optics", edited by the late Stanislaw

Kielich and one of us, Dr. M. W. Evans. This was volume 85 of the heralded "Advances in Chemical Physics" series, familiar to many throughout the scientific world. Several of the leading contributors were from Commonwealth countries.

Volume 85(1) sold out in a few weeks and was recently reprinted by John Wiley and Sons Inc., of New York City, a leading scientific publishing house. In view of this unprecedented success, the establishment of SKI was suggested, the idea floated internationally, and accepted with enthusiasm. It has been suggested that the catalyst staff work out of Zurich, with its strong scientific reputation. We hope to obtain the agreement of the Swiss authorities for this idea, and furthermore, hope that the President of ETH will agree to house the catalyst staff.

It is obvious to us the undersigned that the SKI would be recognised immediately as an international centre of excellence, and would ultimately give rise to projects of major importance, both in pure and applied nonlinear and quantum optics. Indeed, attempts to obtain funding for SKI have started spontaneously already. In much the same way that CERN, Geneva, for example, produces highly successful cooperative work in nuclear physics, SKI is anticipated to do much the same in nonlinear and quantum optics. Among areas of importance are light squeezing, fibre optics, quantum statistics, communications, optical computing, and light matter interaction. These are important topics taken at random and in no particular order, but illustrate the importance of the field.

We the undersigned therefore seek your views on the possibility of funding from the Soros Roma Foundation for Stage 1, salaries and other funding for catalyst staff. We would also be interested in your views on the possibility of part funding from the Soros Roma Foundation for Stage 2, although the major part of that funding is anticipated to be Governmental in Nature, for example coordinated by the European Science Foundation and similar agencies, in much the same way as CERN is funded by Governments. This would be a major duty of the catalyst staff. From the outset, we anticipate the involvement of U.S. and Japanese Funding sources as well as European sources, making this a truly international effort. Detailed project planning would be the responsibility of catalyst staff under stage 1.

We look forward to your views and suggestions. The best in the world of nonlinear and quantum optics are already represented in this idea, so that we feel that the scientific quality is assured.

For the next three months I will be in Britain and can be contacted by telephone at +44 792 846422. My address will be Dr. M. W. Evans, 50 Rhyddwen Road, Craigcefnparc, Swansea SA6 5RA, Wales, Great Britain until about August 20th. I am the coordinator responsible for this initiative. The next page lists some of the colleagues who have expressed support in SKI, and the following pages contain signatures. Appended are letters of support from various senior colleagues. I look forward to hearing from you. Advice on which other Foundations and Agencies to support would be greatly appreciated, so that a systematic fund raising and cost sharing plan can be developed.

Cordially Yours,

M. W. Evans

(Dr. M. W. Evans, Professor of Physics).

## LIST OF SOME LEADING PARTICIPANTS : ALPHABETICAL ORDER

1) Prof. David Andrews, (UK) : D.ANDREWS at UEA.AC.UK.

~~2) Prof. J. H. Gaultfield (USA) : Alabama A and M University, P.O. Box 1268, Normal, Alabama.~~

~~2) Prof. Rymal Chmaja (Czech Republic) : fax +42 5 41211004~~

Ireland) : tel. Dublin 772941.

U.S. / U.K.) : MWEVANS at UNCC.EDU.

apan) : Cable TOKUNIV RIGAKU.

Russia) : KOROTEEV at KOMPNET.MSU.SU.

ance) : fax (33) 56.84.65.00.

(Russia) : MNOVIK at APPL.NNOV.SU.

ch Republic) : BAJER at OPTNW.UPOL.CZ.

ance) : Fax +41 73 53 30.

(Russia) : e mail RUPASOV at SUN.MCS.CLARKSON.EDU.

novsky (Russia) : SHUMO at FEN.BILKENT.EDU.TR.

(Poland) : TANAS at MATH.AMU.EDU.PL.

SA) : CLTANG at EE.CORNELL.EDU.

ew Zealand) : DFW at PHYVC.AUKUNI.NZ.

4) Prof. W. T. Coffey (I

5) Prof. M. W. Evans (U

6) Prof. T. Kobayashi (J

7) Prof. N. I. Koroteev (

8) Prof. J-R. Lalanne (Fr

9) Prof. Mikhail Novikov

10) Prof. Jan Perina (Ch

11) Prof. G. Rivoire (Fra

12) Prof. V. I. Rupasov

13) Prof. Alexander Shu

14) Prof. Ryszard Tanas

15) Prof. Chung Tang (U

16) Prof. D. F. Walls (N



**International Science Foundation**

**Executive Office**

**1054 31st Street, N.W.; Suite 110**

**Washington, D.C. 20007**

**Tel: 202-342-2760 ■ Fax: 202-342-2765 ■ E-mail: [info@isf.org](mailto:info@isf.org)**

**February 24, 1994**

**Dr. M. W. Evans**

**The University of North Carolina at Charlotte**

**Charlotte, NC 28223**

**Dear Dr. Evans:**

Thank you for your inquiry concerning the possibility of receiving support from the International Science Foundation for fellowships to support a initial permanent staff for fundraising for the personnel, equipment, and infra structure of the Stanislaw Kielich Institute. The ISF Executive Board recently met to discuss the possibility of granting funds to proposals that fall outside the purview of our other programs. A very small budget was allocated for 'discretionary grants' and strict guidelines were set forth for the kinds of proposals that would be entertained.

After careful review, the Committee has found that ISF is unable to provide support at this time due to the fact that our efforts are limited to either funding basic research projects in the natural sciences which are being conducted on the territory of the former Soviet Union or the Baltic states, and to supporting participation of scientists from the former Soviet Union and the Baltic states in international conferences concerning basic research in the natural sciences.

We sincerely hope that you will find an alternative source of support and to this end we have included a list of other possible sources of funding. I would also suggest that you begin by contacting the Soros Roma Foundation in Switzerland {Hoschgasse 54, 8008 Zurich, Tel: (411) 383 6326, Fax: (422) 383 6302} and appropriate U.S. and Western government agencies which may be interested in your proposal.

**We wish you success with your project.**

**Best regards,**

**Chris Williams**

**Executive Assistant to the Acting Director**



# UNIVERSITY OF TOKYO

7-3-1 HONGO, BUNKYO-KU, TOKYO 113, JAPAN

FACULTY OF SCIENCE  
DEPARTMENT OF PHYSICS

TELEPHONE 03-812-2111  
CABLE: TOKUNIV RIGAKU  
TELEX: UTPHYSIC J23472

FEB. 14, 1994

Prof. M.W. Evans  
Department of Physics  
The University of North Carolina at Charlotte  
Charlotte, N.C. 28223  
USA

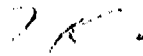
Dear Prof. Evans,

Thank you for your letter of Feb. 9, 1994. I am very much interested in your idea of the center of the international cooperative research center.

I would like to help you if any you need to realize your idea. Please don't hesitate to write me.

With best regards,

Sincerely yours,



Takayoshi Kohayashi

FAX (03) 3216-2112



**UNIVERSITE D'ANGERS**

**POMA**

Laboratoire des propriétés Optiques  
des Matériaux et Applications



Angers, le 7 Avril 1994

Dr. M. W. EVANS,  
Professor Of Physics  
UNCCHARLOTTE  
The University of North  
Carolina at Charlotte  
Charlotte, NC 28223

Réf : GR/DA/n°17/94

Dear Professeur Evans,

I would first apologize for the delay of my response to your letters concerning the Stanislaw Kielich Institute.

I am very glad of your initiative concerning the creation of this Institute. I hope it will be successful. If I can help in any way to the organization, please ask me without hésitation.

~~Thank you also for the publications, and for your preference to second~~  
printing of volume 85 (1).

With my best regards.

Geneviève RIVOIRE

School of Chemical Sciences

**University of East Anglia**  
Norwich NR4 7TJ England  
Telephone Norwich (0603) 56161  
Direct Dialling (0603) 59  
FAX (0603) 259396 Telex 975197

3 February 1994

Professor M. W. Evans  
Department of Physics  
The University of North Carolina at Charlotte  
Charlotte, N.C. 28223  
U.S.A.

Copied

## THE STANISŁAW KIELICH INSTITUTE

Dear Myron,

Thank you for your letter of 24 January. May I immediately convey my strong support for the founding of a Kielich Institute. It would establish what would undoubtedly become a world-recognised centre of excellence in a highly significant field of physics. Over the years I had regular correspondence with Kielich, and you will know from my ACP contribution how highly I rated his work. The realisation of this proposal would represent a permanent and tangible recognition of the man's work, and be a truly fitting tribute to him.

The notion of establishing the Institute in Switzerland is one which I would also give my full support. As well as Zürich and Geneva, you might consider Basel as a possible host city. I should be very happy to contribute whatever I can to the planning; if you are coming over for discussions, perhaps we might meet up. I shall be travelling in Europe including Switzerland in August, returning here for the inaugural EPSRC Summer School in Laser Spectroscopy in early September. At any rate please do keep me informed of developments.

Kind regards,



David L. Andrews

**iroe**

**Istituto di Ricerca sulle Onde Elettromagnetiche**  
**Research Institute on Electromagnetic Waves**

**I-50127 Firenze (Italy) - via Panciatichi 64**  
**fax +39 55 4223889**

## *FAX MESSAGE*

**Data/Date : 28 February 1994**

**Pages : 1+0**

**Da/From : Prof. Pavel CHMELA**

**tel. +39 55 4235203 (ph. operator 42351); fax. +39 55 4223889**

**A/To : Professor M. W. Evans**

**The University of North Carolina at Charlotte**  
**Charlotte, N.C. 2823, U.S.A.**

**FAX : 001 - 704 - 5473160**

Dear Professor Evans,

Thank you very much for your letter from January 24. Since 1<sup>st</sup> February I have been engaged in IROE-CNR in Florence, Italy. So it happened that I received your letter today only. My stage in Italy will last up to the end of April 1994.

I like the idea to found the Stanisław Kielich Institute very much. As a possible research project I would propose the self-organized nonlinear optical phenomena (not only in fibers). This field is still very opened and it promises also many practical applications.

Concerning the possible participation of physicists from East European countries, as well as support by governments I am afraid that it will be a difficult task, because our technical and financial facilities are very limited even for traveling expenses.

I shall be very glad if I can help you anyhow in your noble endeavor. I am Member of the Committee of Physical Section of The Union of Czech Mathematicians and Physicists and I am the Chairman of its Optical Division. However, my facilities are rather limited concerning any financial transactions.

I can speak English, German, Russian and I can communicate and read Polish.

With my best regards,

Yours sincerely,



Lincoln College  
Oxford OX1 3DR

29 January 1994

Dear Myron,

Thank you very much for arranging for the three huge tomes of  
nonlinear phenomena to be sent to me. They are indeed a monument  
to the field and in particular to K's contributions. I shall look forward  
to dipping into them. I hope all is well.

Yours sincerely,



P.W. Atkins

