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QR Code for the ISCEV website

From the President

Dear colleagues and friends,



Firstly I would like to express my heartfelt thanks to you, for the esteem and affection which you have demonstrated by electing me as president of ISCEV.

It is a great honour to have my name placed close to presidents who have preceded me, charismatic people, and for me, a point of reference be it for a scientific viewpoint or a human one. I attended my first convention of ISCEV in 1983. I was young, but remain very impressed by that convention.

I was impressed by the passion I saw and continue to see in the participants, of the push to improve the understanding of the physiology and the pathology of vision. In the time available everyone is working to discuss this with their colleagues in a cordial and friendly atmosphere. The fascination of that convention shaped my future choices: my life's fundamental choice, to devote myself to electrophysiology.

During the years I have attended our conferences I have come to know the professional, personal and human value of many members and groups. This has confirmed my faith in the Society. I feel that my life is closely tied to ISCEV so much so that I cannot think of myself without my 'family' ISCEV.

Since 1983 thanks to the work of the president, the board and the members, many things have changed and improved:

- ▶ The Society has grown and has developed or improved many 'products'
- ▶ Our standards are always evolving with knowledge and the times
- ▶ Our network for exchanging ideas: Cevnet
- ▶ Our Commissions, carefully adapting the Society for the improvement of knowledge
- ▶ Our annual Symposium, the time for profitable exchange of views and of cultural growth in an unrivalled atmosphere of cordiality and friendship
- ▶ Our Courses and our regular participation at international and national meetings at various conventions.

Thanks to a particular focus of the Society and to the responsiveness of people who are very close to us we are able to award travel grants. This allows us to acknowledge and honour the masters of our science and permits members to participate at the Symposium and attend the Course for master classes in electrophysiology.

Since the time when I was proposed as president of ISCEV there was stronger pressure to consider how I could commit myself even more to the Society.

I think that ISCEV must confront the challenge of the times: in a global world we need to demonstrate our value. It must relate to other realities, and our association needs to withstand comparison with the best international societies.

A fundamental objective is to make us known as far as possible. The means to do this can be various:

- ▶ encourage participation at conventions and courses
- ▶ promote new courses at suitable localities and in several languages, making it more accessible
- ▶ emphasise electrofunctional methods and their role in the clinic and research participating always with our representatives at national and international meetings
- ▶ enter onto the web with new networks
- ▶ persist with the dissemination of our research, publishing in our journal Documenta Ophthalmologica

Together with Ruth Hamilton and other members we have already launched some programs with the aim of making concrete these objectives.

In these first months I have found in all the people who were contacted to launch these new initiatives a great willingness. There is much enthusiasm, still things to do yet, but the Society needs the active participation of all its members to develop and prosper.

As for me, renewing the gratitude for having elected me your president, I will do my best to merit your trust.

Message from the Secretary General



One of the most delightful consequences of Patrizia's election to President and my becoming Secretary-General is access to the extensive ISCEV archive. Paraphrasing Professor Zrenner's message of 1987, the period covered by this report ends on the eve of the 50th ISCEV Symposium, a remarkable date in the history of a scientific society. Over half a century of combined scientific and clinical endeavours have created the Society we have today. Great changes are taking place, and many of them – the explosive growth of the internet and its effect on communication and publication; the advent of China as a potential superpower; the increasing significance and breadth of neuroscience; advances in genetics and genomics; technical progress in computation, semiconductors and signal processing – carry implications for all clinical work, including visual electrophysiology and therefore for ISCEV members and for the Society. Being receptive to change can reward with expanded horizons, and I look forward to being part of a dynamic ISCEV as it moves on through its second half century.

Moving on to Secretary-General duties, our current membership stands at 268, with 22 new members joining so far in 2012. ISCEV is a member society of the International Council of Ophthalmology, www.icophth.org, which now allows the subspecialty option of electrophysiology, in case members wish to join or to update their profiles. ISCEV also has a facebook page, www.facebook.com/iscev.org, which is attracting a number of 'likes', especially from younger clinicians and scientists. I am compiling symposia photo albums and would welcome all your contributions, especially from older symposia. The facebook page also acts as a notice board for ISCEV news, deadline updates and so forth. All ISCEV activities are also registered on the ARVO calendar and the ICO calendar: if you would like a meeting or course advertised there, please let me know at secretary-general@iscev.org. ISCEV's own website remains in good health, and the next stage is to increase connectivity with other web ventures to increase visibility. CEVnet remains a great example of the usefulness of the internet for meeting our Society's aims, thanks to Professor Scott Brodie's continuing work.

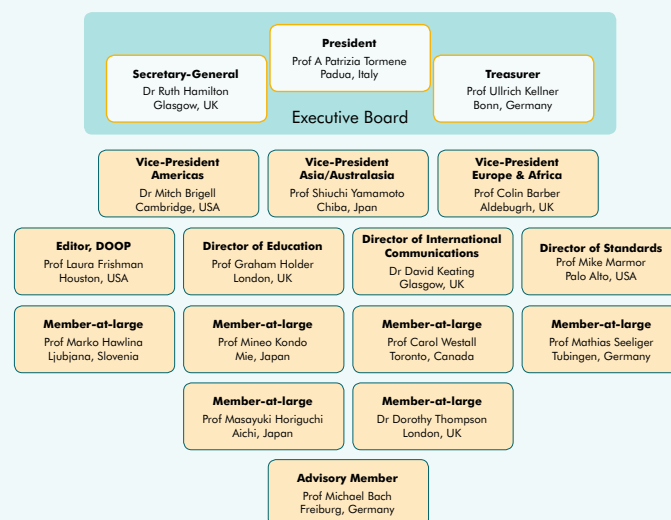
Valencia is only weeks away, and ISCEV received a record number of applications for travel grants this year, and has made

seven awards: recipients' names will be announced in Valencia. The Dodt award has also received its usual healthy quota of applicants. These numbers are evidence of a large and vigorous group of younger researchers in clinical electrophysiology of vision, and I look forward to their presentations. Applications for ISCEV-sponsored lab visits are usually invited in March, but have been deferred this year pending reports from Professor Kellner's committee examining ISCEV finances.

Professor Daphne McCulloch served ISCEV as Secretary-General for seven years, and only in the last five months has it become clear to me how much work she did for the Society in innumerable tasks, small and large. Thank you Daphne for your generous support with handing over the office and your continuing help. In the same regard, thank you also to Colin Barber.

Dr Ruth Hamilton

Secretary-General – 11 May 2012



Report from the Director of Education

The ISCEV teaching Course was held last year in association with the memorable meeting superbly hosted by Pierre Lachapelle in Canada. The Course, as usual, was well attended and received excellent feedback from the participants. The faculty, which additionally comprised Drs Bach, Hogg, Hood, Kellner, and Thompson, are congratulated for the quality of their contributions and are thanked for giving up their valuable time. Marc Hebert was the local organiser and he and his team of willing and able assistants are thanked and congratulated for the excellent local organisation. Thanks are also extended to the equipment companies for kindly donating their time and energy to assist with the practical sessions.

At the time of writing we are looking forward to the forthcoming ISCEV meeting in Valencia which will be hosted by Concha Vilela. The ISCEV Course will take place immediately prior to the meeting with a faculty of Drs Bach, Hogg, Holder, Kellner, Palmowsky and Thompson. It is hoped and anticipated that last year's success can be repeated in Spain.

The annual Moorfields Course took place in March but this year without the writer who was on sabbatical leave at Save Sight Institute at Sydney Eye Hospital. The faculty included ISCEV Members Drs Arden, Audo, Hogg, Heckenlively, Leroy, Neveu, Niemeyer, Robson (AG), and Thompson. A short Course was run at Euretina in London (Holder, Leroy) and was deemed successful by the participants. Together with ISCEV member Hawlina, a short course will take place at this year's Euretina meeting in Milan.

The ISCEV@EVER session at the EVER meeting in Crete was well-received. It was a stimulating session which generated much discussion. Papers were presented by Drs Strasser, Fujinami, Holder, Ruberto, Vandenbroucke and Heckenlively.

A German language Course took place in October with a faculty of Drs Bach, Lapp, Ruether and Kellner.

ISCEV Members intending to run "ISCEV Approved" Courses are again reminded that they should forward details of Course content and faculty to the Director of Education for approval. Only then can details be published on the ISCEV web-site.

Prof. Graham E Holder

Director of Education – May 2012

Director of Standards Report

I'm happy to report that the PERG Standard revision, guided by Michael Bach, is nearly complete, although the document was not finalized in time to give a month's review before the Valencia meeting. Thus, we will present the material for discussion and input, but a final approval vote will come by mail after the meeting. Like other Standards, stimulus parameters have been tightened, and a number of other issues addressed.

A key item is the ERG Standard which is up for revision by 2013. Anyone with interest in contributing to this task, please let me know.

The first Extended Protocol is in the process of committee discussion to develop guidelines and recommendation for VEP measurement of visual acuity. Michael Bradnam is chairing this effort and should be contacted by anyone with interest in this topic.

We are also beginning efforts to revisit our old documents on Calibration and Recording, and the Visual Diagnostics: Guide to Procedures. Committees are being formed, and these documents are both vital to our society for proper technique, for wise use of tests, and for information to the outside world of billing and reimbursement. Anyone with expertise or interest in these topics should contact me.

All of these issues will be addressed in the Standards meeting session in Valencia, and I hope to see many of you there. But you don't have to be at the Symposium to be involved in these efforts, so let me know directly if you are not coming to Valencia.

Prof. Mike Marmor
Director of Standards

The Editor: Documenta Ophthalmologica

Documenta Ophthalmologica is in the seventh year of having a well organized and responsive publisher, Springer, and continues to benefit from the web-based "Editorial Manager™" for submission and review of papers. The six regular issues per year are being published on time, as well as an additional issue, only online, for annual meeting abstracts. The journal does not impose page charges and has free color illustrations, even in the hard copy, not a policy for many other journals. There also is open access for all ISCEV Standards, Guidelines and Procedures that appear in regular issues. The main weakness remains: the submission rate is dangerously low! The year will soon enter the second half, and as of May 20, 2012, there have only been 34 submissions. In 2011, there was a total of 122 papers submitted. I hope that submissions will pick up in the summer.

Journal Operations:

Many members give generously of their time in reviewing manuscripts. The Editorial Board and Associate Editors, Bach, Kondo and Brodie work to maintain and improve the quality of the journal. The Case Report section, edited by Brodie, continues to provide a valuable venue for interesting and novel clinical observations. Diana Epstein of Di-Ep Biomedical Editorial Services Doc-oph@di-ep.com keeps the online submission and review process running smoothly.

Accepted papers are being published online as soon as corrected proofs are ready, which generally occurs within two to three weeks after the final editorial decision. The copy editing occurs in Chennai, India quickly, and generally without introducing errors. However, every author needs to check proofs carefully. One persistent error, which the editorial office has worked to correct, is removal of the section headings in the abstract by the copy editors, with no other adjustments. Authors should put the headings back in the corrected proof. The same correction is made by the editor, who also sees and corrects the proofs.

The impact factor for a given year is based upon citation of papers published in the prior two years. It is crucial for the Impact Factor (2.187 in 2010) that we all cite, in our journal and other journals in which we publish, the most recent versions of the ISCEV Standards, Guidelines and Procedures, as well as other relevant papers in the journal. Vigilant authors, reviewers and editors can help with this. Please update your reference manager so that prior publications of ISCEV Standards and Guidelines are replaced with the newest ones. For example, the first issue of 2012 included the updated "ISCEV standard for clinical multifocal electroretinography"; the updated "ISCEV standard for clinical electro-oculography" was in the first issue of 2011, and the updated "ISCEV standard for clinical visual evoked potentials" was in the first issue in 2010.

Special issues and call for papers:

Special issues on timely subjects with original research and reviews from prominent investigators elevate the stature of the journal. Please consider proposing a special issue in your area of expertise. There is only one special issue in the pipeline now entitled "Special Issue on Vision after Premature Birth". Invited contributors to special issues, previously unfamiliar with the journal, will be impressed with our ability to review and bring their papers to publication in a timely manner.

Too few papers that are worthy of publication are being submitted to the journal in the Original Research, Technical Note and Case Report categories. Please take some responsibility as ISCEV members to submit papers to the journal, and to encourage others to do so when the subject matter is appropriate. Technical notes provide the research community with valuable resources. Functional assessments using electrodiagnostic techniques are a common tool in vision research, and the definitive technical papers should reside in our journal.

Prof. Laura Frishman

The web address to use for your submissions to *Documenta Ophthalmologica* is:

www.editorialmanager.com/door/

Treasurer's Report

Dear ISCEV members

The accompanying spreadsheet displays the financial data for 2004 - 2011 and an estimate for 2012. The figures are given in euros, as all funds except for the US dollar account are held in euros. The accounting and tax records must also be reported in euros.

The financial outcome in 2011 was positive due to several factors. In 2011, due to a change of payments for editorial services, the publisher's payment was markedly increased as payments for more than one year were received. In addition, the return payment of the Québec meeting was made very quickly and the Secretary-General's account was re-financed in 2012. The income and expenditure for 2012 has been calculated cautiously. Due to the generous contribution of Judyth Dawson the Dawson lecture is financed for every year's meeting, reducing the burden for Symposium organisers.

Please note that already more ISCEV members have paid for 2012 compared to 2011.

Please do not hesitate to contact me with any questions regarding the treasurer's report. Looking forward to see you in Valencia.

Best regards
Prof. Ullrich Kellner

(Euro)	2004	2005	2006	2007	2008	2009	2010	2011	2012
	closed	closed	closed	closed	closed	closed	closed	closed	estimated
Income									
Membership dues	29.227,95	27.138,00	33.943,97	28.090,23	23.855,55	23.521,15	25.518,88	29.472,77	27.000,00
Symposium income through treasurer's office	0,00	28.638,16	5.440,89	0,00	0,00	0,00	0,00	0,00	0,00
Bank account interests	1.493,39	1.102,97	2.172,38	3.252,53	2.887,38	1.785,54	1.536,14	1.067,59	1.000,00
Publisher editorial payment	8.264,17	3.975,00	6.846,85	10.829,44	5.775,25	6.738,15	6.158,80	25.041,46	13.400,00
Symposium return (income & returned pre-financing)	0,00	19.128,63	22.343,00	0,00	0,00	1.919,79	0,00	14.823,25	5.000,00
Dawson Lecture	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3.600,00	3.600,00
Other income	0,00	500,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Total Income	38.985,51	80.482,76	70.747,09	42.172,20	32.518,18	33.964,63	33.213,82	74.005,07	50.000,00
Expenditure									
Treasurer's office	255,27	540,62	735,49	1.039,31	0,00	0,00	30,00	96,75	100,00
Check handling fees, bank charges	1.468,13	532,17	413,83	221,99	119,35	132,60	207,54	340,94	350,00
Credit card handling fees	1.347,27	2.558,88	1.992,41	1.540,32	1.404,16	1.190,20	1.443,39	1.617,38	1.800,00
Internet services	1.135,26	162,58	569,55	213,54	569,96	212,96	212,96	598,79	1.500,00
Lawyer	3.297,32	131,10	139,20	0,00	0,00	0,00	0,00	0,00	0,00
Accounting	0,00	1.044,00	696,00	714,00	357,00	0,00	0,00	0,00	800,00
Secretary general's office	4.697,91	4.227,60	14.828,00	2.587,20	9.295,54	4.203,40	0,00	0,00	6.951,50
Editor's office	4.098,00	1.062,50	0,00	0,00	0,00	0,00	0,00	0,00	500,00
ISCEV subscriptions DOOP	27.825,00	31.561,50	26.999,50	26.250,00	26.250,00	26.250,00	26.248,71	28.569,00	29.000,00
Symposium financing	44.095,50	46.302,48	12.776,57	7.363,23	1.980,26	9.087,03	18.930,85	6.199,02	7.000,00
Travel grants	2.904,85	2.457,20	2.893,12	3.499,28	4.870,38	6.990,00	8.000,00	4.300,00	5.400,00
Dawson lecture	0,00	0,00	0,00	0,00	0,00	0,00	0,00	3.600,00	3.600,00
Lab visits	0,00	0,00	0,00	0,00	1.463,19	6.343,81	0,00	4.500,00	5.000,00
Total Expenditure	90.869,24	90.040,01	61.308,18	42.389,56	46.309,84	54.410,00	55.043,45	49.725,13	61.901,50
Balance									
Total Income - Total Expenditure	-51.883,73	-9.557,25	9.438,91	-217,36	-13.791,66	-20.445,37	-21.829,63	24.279,94	-11.901,50
Assets (as of 31.12.20XX)									
USD Account	906,73	12.591,99	12.888,32	6.266,13	3.958,97	837,38	492,95	4.342,99	5.000,00
EURO Account	6.402,89	12.765,81	22.492,33	35.278,37	28.940,95	9.544,35	6.784,39	58.886,56	5.000,00
Deposit	136.394,27	108.624,58	107.122,08	99.701,48	101.425,24	101.385,41	84.771,43	35.166,30	88.000,00
Total Assets	143.703,89	133.982,38	142.502,73	141.245,98	134.325,16	111.767,14	92.048,77	98.395,85	98.000,00
Members (paid, honorary & emeritus)	276	264	283	290	272	275	283	262	268

Regional Reports

Report of the Vice-President for the Americas for 2011

This year has been an active one in the Americas for ISCEV. The 49th annual ISCEV Symposium was held in Lac Beauport, Quebec hosted by Pierre LaChapelle and his able crew of ISCEV Quebecois.

The scenery was lush, science was rich, and the food was magnifique. Michael Bach presided over proceedings for the final time. Geoff Arden gave an entertaining and informative Adachi Lecture, Jerry Fishman gave the inaugural Dawson Lecture which was introduced by Judy Dawson in a memorable tribute to her late husband Bill, Tony Fisher demonstrated that he is an innovative scientist in addition to his well known athletic prowess, and Franco Lapore delivered the Keynote lecture in which he reminded us that vision requires an intact brain as well as an intact retina.

The last ARVO meeting in Ft. Lauderdale will feature many presentations on clinical electrophysiology by ISCEV members. As has become an ISCEV standard, ISCEV@ARVO will precede the ARVO meeting. And for the first time a course entitled "Animal electroretinography in ophthalmic research" will be run by ISCEV members Mathias Seeliger and Naoyuki Tanimoto.

I look forward to seeing many of you in Ft. Lauderdale and Valencia this year.

*Dr Mitch Brigell
Vice-President of the Americas*

Report of the Vice-President for Europe/Africa for 2011

This was another busy year for ISCEV in Europe, with the BriSCEV regional meeting and a presence in 3 meetings of Ophthalmological Societies (out of 4 listed world-wide).

Taking them chronologically, early June saw an ISCEV course at the joint SOE/AAO meeting in Geneva. It was chaired by Jelka Breclj, who writes: "The aim of the course was to show that the clinical electrophysiology testing is particularly useful for paediatric patients, with limited communication and compliance. Participants learned about the normal maturation of the ERG and VEP, and the appropriate clinical testing strategies for young patients. In addition, the course aimed to enhance the efficiency of diagnosis and monitoring in paediatric patients.

- ▶ Dr Ruth Hamilton (UK) lectured on 'Maturation of the ERG and VEP: from preterm infants to preschool children'
- ▶ Prof. Graham Holder (UK) lectured on 'Paediatric electroretinography'
- ▶ Dr Jelka Breclj (Slovenia) lectured on 'Diagnosing the young child with nystagmus: the valuable role of ERG and VEP recording'
- ▶ Dr Dorothy Thompson's (UK) lecture was on 'Should I do it again? Electrodiagnostic surveillance'
- ▶ Prof. Birgit Lorenz (Germany) lectured on 'Clinical applications of electrophysiology in paediatric practice'

After those lectures there was a general discussion with many questions. This was the third such session, and we shall be back again, at Copenhagen in 2013!

Later in June came the major event for British members as the 8th Annual BriSCEV Symposium was organised in Newcastle by Karen Bradshaw and her colleagues from the Regional Medical Physics Dept. Royal Victoria Infirmary.

The event was held at the iconic Baltic Centre for Contemporary Art which lies on the Gateshead side of the Millennium Bridge.

An educational course prior to the symposium again proved very popular. The topic was "Unexplained Functional Visual Loss". It included two excellent lectures given by local experts from the Ophthalmology Dept. Royal Victoria Infirmary,



Newcastle's Millennium Bridge – the 'blinking eye'.

Mr Michael Clarke, Clinical Director and Mr Philip Griffiths, Neuro Ophthalmologist. A third lecture was given by Professor Michael Bach who presented a talk on the objective assessment of visual acuity using electrophysiological techniques.

The symposium itself began with a group photo next to the Millennium Bridge as it was tilted. The tilting movement, often compared to "A Blinking Eye" was a unique and well themed event to mark the opening of the BriSCEV symposium. Professor Bach was given the prestigious role of 'pressing the button to begin the tilt'.

In the symposium there were lectures from local experts Professor Patrick Chinnery Director, Institute of Genetic Medicine, Newcastle University who gave a comprehensive account of the mitochondrial optic neuropathies and Mr Andrew Browning, Consultant Ophthalmologist at the RVI who gave a fascinating talk on the features of local late onset retinal dystrophies, something Karen and her colleagues have been closely involved with. Finally we were given a thrilling insight into illusions by the ubiquitous Michael Bach. All were very much appreciated.

The quayside was also an excellent location to sample the unique Geordie culture during the conference. The picture at the head of this column shows the famous Millennium Bridge by night.

The 2012 BriSCEV symposium will be in Aberdeen in September 2012.

The beginning of October saw further activity with the SCEV@DOG session, organised by Mathias Seeliger and Ulrich Kellner. There was exceptional interest (about 200 participants) in the topic: New therapies for retinal disorders - Clinical monitoring.

The programme comprised lectures as follows:

- ▶ Ulrich Kellner (Siegburg) Patient selection and diagnostic tools in therapeutic studies: Clinical aspects
- ▶ Mathias Seeliger (Tübingen) Patient selection and diagnostic tools in therapeutic studies: Lessons from experimental data
- ▶ Artur Cideciyan (Scheie Eye Institute, University of Pennsylvania) Patient selection and therapy monitoring in the RPE65 clinical trials
- ▶ Eyal Banin (Hadassah-Hebrew University Medical Center, Jerusalem, Israel) Monitoring therapy in a large animal model for achromatopsia (ACH2)
- ▶ Birgit Lorenz (Giessen) Aspects of patient selection and therapy monitoring in children and infants
- ▶ Michael Hoffmann (Magdeburg) MRI - a method for the assessment of visual gain in higher brain regions ?

With a long tradition ISCEV@DOG will again be held at the next DOG meeting in September 2012.

Rounding off the year's activity, ISCEV4EVER, now a regular feature of the annual EVER symposium, was organised by Graham Holder in Crete.

*Prof. Colin Barber
Vice-President for Europe/Africa*

Report of the Vice-President for Asia and Oceania for 2011



The 2nd Joint Meeting of Japanese and Korean Society for Clinical Electrophysiology of Vision (JSCEV & KSCEV) was held at Seoul National University on 19 and 20 November 2011, which was organized by the KSCEV President Si Yeol Kim.

About 150 ophthalmologists and researchers attended the meeting. There were two invited lectures entitled "Retinal function and morphology in the management of macular diseases" by Dr Hiroko Terasaki of Nagoya University, Japan, and "Functional MRI of visual perception" by Dr Seiji Ogawa of Gachon University, Korea.

There were also 35 oral presentations including a superb Dinner Symposium at Lotte Hotel Seoul with international guest speakers, Dr Carl Arndt from France, Dr Herbert Jaegle from Germany, and Dr Erich Sutter from USA.

This joint meeting is planned to be held every two years, and the next one will be in Osaka.

The Asia-Pacific Academy of Ophthalmology (APAO) meeting is also an important event for ISCEV members from Asia/Oceania. This year, the meeting was held in Busan, Korea during 13 – 16 April 2012. The symposium "Electrophysiology for retinal diseases" was organized and chaired by Graham Holder (UK), Young Hoon Ohn (Korea), and Shuichi Yamamoto (Japan) and gave important clinical and new perspectives on the role of electrophysiology through lectures by Graham Holder, Atsushi Mizota (Japan), Jennifer Kang-Mieler (USA), Shuichi Yamamoto, Timothy Lai (Hong Kong), Mineo Kondo (Japan), Young Hoon Ohn, and Zheng Qin Yin (China).

We look forward to hosting the 2013 ISCEV meeting in Chongqing, China organized by Zheng Qin Yin and her organizing committee Lei Bo and Timothy Lai. It was 23 years since the ISCEV meeting was held in China last time.

*Prof. Shuichi Yamamoto, MD, PhD
Vice-President for Asia and Oceania*

Recollections of a Symposium: Lac Beauport Québec 2011



Once again, the 2011 annual symposium was held in the pure ISCEV tradition with a well balanced equilibrium between state of the art science and highly entertaining social activities to which more than 200 (seasoned and new recruit members, accompanying persons, exhibitors and students) participated. Following extremely well attended human and animal courses, our symposium started with a lively opening ceremony during which our (now) past president had to have one of his leg amputated (as a result of a war wound) something that he, as expected, bravely endured without anesthesia. This was followed by the first of several memorable dinners that were spread throughout the meeting to honor the festive «québécois» tradition.

Even Paul (Weston) did not know he could play the violin so well.....and sing at the same time!

On the following day, Prof. Franco Lepore gave the first keynote lecture of our symposium entitled: *"The dynamic visual system: development and plasticity"* that was extremely well received by the audience. This first day concluded with a Nouvelle-France dinner during which the participants were entertained by a group of traditional musicians that included an unbelievable fiddler who showed that there was basically no limits to how one could play the violin. Some of us were even invited to show their (limited) skills with the violin! The participants were also given a traditional "bonhomme gigeux" that turned out to be a very noisy gift when all tried to play (with mixed success) with it simultaneously.



Presidents at work!

The following day started with the first Dawson lecture that was interactively delivered by Jerry Fishman who threw candies at those who answered correctly the different questions that were disseminated throughout his highly entertaining and informative presentation that he had challengingly entitled: *"Has electrophysiologic testing become obsolete?"*. For those

of you who were not able to attend the meeting, Jerry's answer is NO! Following the regular oral and poster presentations, the day concluded with our annual ISCEV Olympiad that were supervised (maybe controlled would be a better word) by the gifted Colin Barber, and the no less talented Karen Holopigian.



The Canadian Olympians after winning the Royal dragon boat competition.

At the end of this royally wet Olympiad, it was clear that the Canadian Team had brilliantly and unequivocally won these competitions. However, thanks to Colin's talent with numbers and the fast-learning Karen, the final stretch of the Olympiad (played on Thursday night) crowned the European team as the 2011 ISCEV Olympiad winners.

President Michael Bach presenting a bouquet to Mrs. Judith Dawson who introduced Professor Gerald Fishman, the 1st. Dawson lecturer.



This was followed by a delicious Mechoui dinner with local beer tasting.

The third day of the meeting started with the highly interactive lecture of Professor Anthony Fisher entitled: *"Signals, sources and noise: un ménage à trois"* where he showed that French and German noises could be separated from each other... Incredible! Wunderbar! The day ended with the gala dinner that took place at the Musée de la civilisation that was all to us for the entire evening.

The venue was breathtaking, the food was exquisite. The wine selection was so outstandingly tasty and generous, from the sparkling apéritif to the sweet dessert wine that several of us did not remember leaving the premises (maybe some are still there and now part of the permanent exhibits). The following day was also exceptional in many ways: luncheon while cruising on the Saint-Laurence seaway up to the Montmorency falls, afternoon spent in Old Québec and evening at the Manoir Montmorency overlooking the Montmorency falls.

The evening started with the Adachi lecture that was given by Prof. Geoffrey B. Arden entitled *"The pathophysiology and treatment of Diabetic Retinopathy"*. This was followed by a sparkling toast to honor the recipient and then, the last dinner of the symposium. Finally, on the final day, after the last scientific sessions, the 49th ISCEV Symposium officially ended in an improvised sugar camp where members were introduced to the sticky pleasure of maple syrup and all the delicacies that are derived from it.



The joyful 2011 ISCYCLISTS minutes prior to departure.



...and relaxing (some more than others) at the end of the first day!

On the following day, a courageous group of ISCYCLISTS (22 participants) joined together for a 3 day-300 km ride in the Laurentians (north of Montreal) that was enjoyed (ride, food, drink and scenery) by all the participants.

In closing, the organising committee would like to most sincerely thank all of those who came to visit us and actively took part in the different aspects (social and/or scientific) of our Symposium. ISCEV is a great family and it is with that in mind that we worked hard at preparing our annual family reunion.

For those of you who could not make it this year, please go to our website (www.iscev2011.org) to view pictures that will give you a good idea of what you have missed.

The senior ISCEV 49th organising committee:

Jacqueline Orquin, Michelle McKerral, Marie-Sylvie Roy, François Tremblay, Dave Saint-Amour, Marc Hébert, Serge Rosolen, Stuart Coupland, Pierre Lachapelle.

The junior ISCEV 49th organising committee:

Laurie-Anne Dion, Audrey-Anne Éthier, Noémie Hébert-Lalonde, Joelle Lavoie, Laura Lefebvre, Muhamad Syukri bin Mohamad Rafiuddin, Claudia Polevoy, Mélissa Sue Sayeur, Ben Smith, Mathieu Simard, Mathieu Gauvin, Anna Polosa.

Emiko Adachi Award – Professor G.B. Arden

Following a visit to the spectacular Montmercy waterfall, the society repaired to Manior Montmorency for the 6th Emiko Adachi award lecture, to be given this year by Professor Geoffrey Arden.

The criteria for the Emiko Adachi Award states that 'The recipient shall have a record of outstanding service to ISCEV over a long period' and that 'The recipient shall have made a significant scientific contribution to clinical electrophysiology of vision'.

Professor Arden was an early member of ISCEV, the forerunner of ISCEV, and since 1953 has produced more than 340 peer-reviewed papers and with John Heckenlively co-edited two editions of "Principles and Practice of Visual Electrophysiology", a standard reference book for our field. Publications covered



Professor Geoffrey Arden

a wide range of topics from in vitro retinal work, visual psychophysics and human visual electrophysiology in health and disease. Professor Arden established the Department of Electrophysiology at Moorfields Eye hospital and pioneered the use of the electro-oculogram in the 1960s; the "Arden index" remains the routinely-used method of assessing the EOG. His work on this technique continued with novel insights published as recently as 2006.

The subject of the Adachi lecture was "The pathophysiology and treatment of Diabetic Retinopathy". An elegant non-invasive method of treatment and prevention of the disease process was described. This novel approach was based on reducing the high oxygen requirements and metabolic demand of the rod photoreceptors by maintaining mesopic light levels during sleep. This was achieved by using purpose-built goggles to attain an optimal level of light adaptation that would not disturb sleep.

The lecture was enthusiastically received by the membership, many of whom were taught or mentored by Geoff over a long, distinguished and continuing career.

Chris Hogg

Eberhard Dotz Memorial Award – Dr A. Vincent

Congratulations to the prize-winner, Dr Ajoy Vincent MD. Dr Vincent examined with impressive thoroughness five members of a family, four of whom exhibited a rare inherited disease termed late-onset retinal degeneration (LORD) that manifests in the fifth decade, caused by a mutation in the C1QTNF5 gene.

This gene codes for a protein from the family of tumour necrosis factors; in the eye however this leads to retinal degeneration and abnormalities in the insertion of lens zonules. Besides standard examination techniques, Dr Vincent employed OCT, fundus autofluorescence, ERG and EOG to characterise these cases. The course of the disease was represented in the different ages of the family members. ERG results revealed rods to be affected prior to cones. In addition, the imaging techniques demonstrated extensive sub-retinal deposition at the level of Bruch's membrane.

Dr Ajoy Vincent obtained his MD at the Government Medical College Trichur in Kerala, India. He did an ophthalmology residency at St. Johns Medical College in Bangalore, India and subsequently secured an ICO fellowship to train in ocular electrophysiology under Prof. Graham Holder at Moorfields Eye Hospital, London. He is currently at Toronto accompanied by family, advancing his experience in ocular genetics at the Hospital for Sick Children with Drs Elise Héon and Prof. Carol Westall. This study was performed at Sick Kids, the results of which he competently presented at the ISCEV Symposium.

Beyond his own presentation, he actively participated in discussions related to a wide range of topics, thus demonstrating thinking beyond his special field, a capability that every good scientist needs.



Prof. Michael Bach

Dawson Memorial Lecturer: Dr C.A. Fishman



When I first met my future husband, William Woodson (Bill) Dawson, in 1989, it was difficult to get him to come out of his shell and actually engage in a conversation. After I finally got him involved in conversing, the first thing he told me about was ISCEV

and his many dear friends and colleagues who belonged to this small, specialized organization.

As it is commonly known, Bill invented the DTL electrode. DTL stands for Dawson, Gary Trick, and Carl Litzkow, both of whom were in Bill's laboratory at the time. It has become the standard electrode for electrophysiological testing of the eye. The electrode was patented and he subsequently sold the use of the trademark "DTL Electrode" to Diagnosys, and received royalties from this.

Upon Bill's death in 2010, the royalties passed to me, and I



decided to use these funds to endow an ISCEV lecture series in Bill's memory. I could think of nothing better to do with these funds, and it has given me great pleasure in doing so.

The first presenter of the Dawson Memorial Lecture, the esteemed Dr Gerald A. Fishman, gave a very important lecture entitled "Has electrophysiological testing become obsolete?" In this lecture, he gave case studies of retinal diagnostic dilemmas that could not have been solved without use of electrophysiology. While listening to this lecture, I was sure that Bill Dawson was smiling down from heaven, and saying, "Right on, Jerry!"

Judyth Dawson

51st ISCEV Symposium 2013: Chongqing, China

Board Members of the Visual Physiology committee of the Chinese Ophthalmological Society, and its Chair, Professor Zheng Qin Yin, warmly invite all ISCEV members to attend their 2013 annual symposium in Chongqing, China!



Night View of Chongqing City

Chongqing is China's largest and youngest municipality and was once the capital of China. The region has more than 3000 years of culture and offers the best of modern and traditional culture.

Key tourist attractions include UNESCO World Heritage sites such as the 9th century **Dazu Rock Carvings**, **Three Gorges** in Yangtze River, **Jiuzhai valley**, and ancient village of **Ci Qi Kou** (Porcelain Village). Stopover in **Xian** (1 hour flight from Chongqing) to visit the world famous **Terracotta Warriors**, or **Beijing** (2 hours flight from Chongqing).



Biggest Hot Pot in the Guinness world record



Dazu Rock Carvings

Convenient access to Chongqing International Airport with **non-stop international flights** from Tokyo, Nagoya, Seoul, Singapore and Bangkok.

Multiple daily flights from all major cities of China and only 2 hours from Beijing, Shanghai and Hong Kong.

Direct check-through flights are also available from major cities in Europe (Paris, London, Frankfurt) and North America (Vancouver and Los Angeles).

The conference hotel located at the famous food street, facing Yangtze River and CBD. Please enjoy the delicious Sichuan cuisine and beautiful night view! Despite the world-class standards, the cost of hosting conferences is only **half of other major Asian cities**. This ensures a **low registration fee** for all delegates with **great food and social activities**.



Swimming pool in the hotel



Food street next to Sheraton hotel



Sheraton Hotel

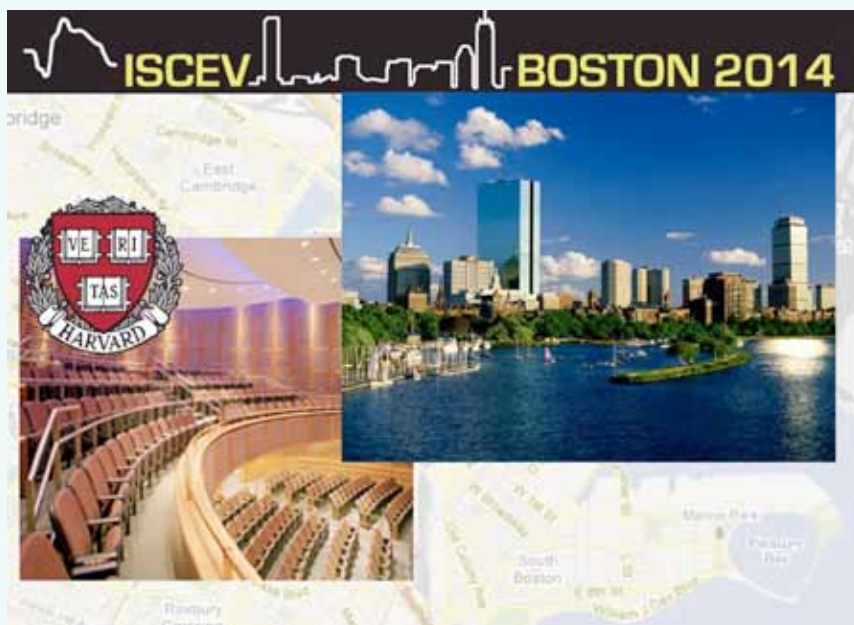
Proposed Dates: 13th to 17th October, 2013:

October is the most pleasant time to visit Chongqing, with **temperature of 20°C** and colorful autumn views.

52nd ISCEV Symposium 2014: Boston, USA

Preparations have already begun for the 2014 ISCEV Symposium to be held at The Joseph B. Martin Conference Center at The Harvard Medical School.

The meeting will be held in mid-June, a season that should be ideal to enjoy all that the Boston area has to offer.





Minutes of 2011 ISCEV Membership Meeting

21 September 2011, 15:30

Manoir du Lac Beauport

Québec, Canada

1. Opening Welcome & Report of the President

Prof. Michael Bach opened the meeting, welcomed ISCEV members and thanked them for their contributions and support throughout his tenure as President. He is looking forward to relinquishing his duties, as he will step down after two terms. He reminded the members of the tasks of the Membership Meeting and thanked the organiser, Prof. Pierre Lachapelle and his colleagues for the splendid hospitality in Québec.

2. Minutes of the 2010 ISCEV Membership Meeting

- 2.2. The minutes of the 2010 ISCEV Membership Meeting in the 2011 newsletter were adopted as a true record.
- 2.3. There were no matters arising from the minutes.

3. Report from the 2011 Symposium Organiser

Prof. Lachapelle expressed his warm welcome to ISCEV and reported that the Symposium had 184 delegates and 107 scientific presentations (four invited lectures, 55 oral and 48 posters). The human and animal teaching courses had 27 and 15 participants respectively.

4. Awards and Elections

- 4.2. *Emiko Adachi Award*: This announcement was deferred pending consultation with the Adachi Award Committee. [The selection of Prof. Paul Sieving was subsequently announced].
- 4.3. *Member-at-Large (Americas)*: Prof. Carol Westall was re-elected unopposed for a second term.
- 4.4. *Member-at-Large (unrestricted)*: Dr Dorothy Thompson and Prof. Zheng Qin Yin were nominated and went forward to the postal ballot of all members. [Dr Thompson was subsequently elected].
- 4.5. *Procedure for election of President*: Prof. Colin Barber, chair of the presidential nominations committee, explained that normally the Secretary-General continues for one year into the term of a new President. However, as the current Secretary-General is a candidate for President, it is necessary to consider presidential candidates with their proposed Secretary-General. Voting will both elect the President and ratify their proposed Secretary-General. Voting at the Membership Meeting will be by single transferable vote to select a shortlist of two candidates for a ballot of all members.
- 4.6. Each of the five nominees for President gave a short presentation. Candidates, with their proposed Secretary-General parenthetically, were: *Mitchell Brigell (Ruth Hamilton)*; *Graham Holder (Herbert Jäggle)*; *Pierre Lachapelle (Karen Holopigian)*; *Daphne McCulloch (Subhadra Jalali)*; *Patrizia Tormene (Ruth Hamilton)*. Following a secret ballot, Profs Holder and Tormene went forward to the Membership ballot. [Election outcome: Prof. Tormene elected President; Dr Hamilton ratified as Secretary-General].

5. ISCEV Officers' updates and discussion of the reports in the 2011 newsletter

- 5.2. **Exoneration of the Treasurer's 2010 report.** This was unanimously exonerated by a vote of the members.
- 5.3. **Matters arising from the reports of the other ISCEV officers in the 2011 newsletter.**
 - 5.3.1. The Director of Education updated his report and thanked the lecturers and manufacturers for their support of the ISCEV courses held this week.
 - 5.3.2. Dr Suresh Viswanathan spoke on behalf of the Editor-in-Chief of *Documenta Ophthalmologica*, Prof. Laura Frishman, to thank authors and reviewers for the strong improvement in impact factor and to remind members of the importance of citing recent papers, particularly current ISCEV standards, when reviewing or submitting to all journals.
 - 5.3.3. Other reports were accepted as printed in the 2011 newsletter without discussion.
- 5.4. **Exoneration of the Board:** The members present voted to exonerate the ISCEV Board of Directors to continue their activities on behalf of the Society.



Minutes of 2011 ISCEV Membership Meeting – continued

21 September 2011, 15:30

Manoir du Lac Beauport

Québec, Canada

6. Highlights of the ISCEV Board of Directors Meeting

- 6.2. **ISCEV Symposia:** A working party on ISCEV Symposia, chaired by Prof. Barber, reported to the Board. As there is strong support for continuing independent ISCEV Symposia with inclusive social activities only minor modifications are recommended to constrain costs. These include simplifying the social activities, keeping the Symposium within four days and pursuing venues that give good value. The Board will vet all new invitations for cost before going forward for selection by the Membership. This will be updated in the ISCEV Symposium Guidelines for potential hosts. In addition the awkwardness of the Roman numeral 'L' for 50 was noted and the ISCEV convention for Symposium numbers was changed to Indo-Arabic numbers.
- 6.3. **Commercial neutrality:** In keeping with our bye-laws, ISCEV does not pursue commercial activities. The Board strengthened this policy by adopting an explicit statement of commercial neutrality: ISCEV does not approve or endorse specific instruments for electrophysiological recording, to be included in the Symposium and Course Guidelines.
- 6.4. **Working Party on ISCEV Finances:** A working party was established to examine ISCEV expenditure and its cost effectiveness and to consider current and potential income sources. The working party will be chaired by the ISCEV treasurer, Prof. Ulrich Kellner, and will include Prof. Bach and the auditors, David Sculfor and Dr Karen Holopigian.
- 6.5. **Documenta Ophthalmologica:** The Board discussed and accepted a proposal to allow payment of honoraria for editorial services from the money paid to ISCEV by our publisher. This would require an amendment to the ISCEV bye-laws, which will be considered in 2012 for possible application in 2013.

7. Report of the ISCEV Awards Committee

- 7.2. **Travel grants:** The committee awarded seven 2011 travel grants; six overseas and one regional.
- 7.3. **Extended Laboratory Visit grants:** the committee received reports from Dr P Rani for her visit to Prof. Fulton in Boston and from the British Society for Clinical Electrophysiology of Vision (BriSCEV) for the Travelling Eyes ERG project. Grants were awarded to Dr Shiyong Li from Chongqing to visit Prof. Holder, London and to Dr Echevarria from Cuba to visit Prof. Marko Hawlina, Ljubljana.

8. ISCEV Standards

- 8.2. **ISCEV Standard for mfERGs (2011 update):** Prof. Don Hood, chair of the mfERG Standard committee, thanked his committee for their diligence and the members for their thoughtful feedback. He summarised changes to the final drafts circulated to the Membership in March and August and proposed that the current draft be adopted as an ISCEV Standard to replace ISCEV Guidelines (adopted in 2003, updated 2007). This was seconded by Prof. Holder and passed by show of hands (2 abstained, 0 against).
- 8.3. **ISCEV Standard for PERGs (2012 update):** Prof. Bach, chair of the PERG Standard committee announced that his committee is working to have an updated Standard in 2012.
- 8.4. **ISCEV extended protocols:** Few of the working parties have progressed through the process of approval for extended protocols. The process remains in place and working parties were encouraged to submit outlines for discussion and approval. Members are also encouraged to publish and disseminate protocols suitable for clinical trials or advanced clinical investigations.

9. Future ISCEV International Symposia

- 9.2. 2012 – 50th ISCEV Symposium, Valencia, Spain, 4-8 June. Dr Concha Vilela and the Mediterranean Ophthalmological Foundation extended a welcome to Valencia. The 2012 Dawson Memorial lecturer, Prof. Carmen Ayuso was announced.
- 9.3. 2013 – 51st ISCEV Symposium, Chongqing, China, 13-17 October. Prof. Zheng Qin Yin and her team updated plans and extended a warm welcome to the Membership.
- 9.4. 2014 – 52nd ISCEV: Invitations from the Americas. Enticing invitations to Boston, USA, July 2014 (Dr Mitchell Brigell) and to Guarujá, Brazil, Sept 2014 (Dr André Messias) were presented. Both will go forward to the Membership ballot. [Outcome: Boston was selected for the 52nd ISCEV Symposium].
- 9.5. 2015 – 53rd ISCEV: Invitations from Europe and Africa are welcome for selection next year.

10. Without other business the meeting closed at 16:40.

ERG Training Course in China

The International Training Course of ERG in Clinical Service and in Research was successfully held in Chongqing, China from December 3 to 6, 2011. ISCEV members including ISCEV president Prof. Michael Bach, former ISCEV president, Prof. Yozo Miyake, ISCEV Vice-president Dr Mitchell Brigell, Prof. Ido Perlman, ISCEV member-at-large, Prof. Mathias Seeliger, Prof. Suresh Viswanathan and Prof. Bo Lei were faculty for the training course.

Faculty of the 2011 ERG training course: Bo Lei, Michael Bach, Yozo Miyake, Mitchell Brigell, Ido Perlman, Mathias Seeliger, and Suresh Viswanathan.



About 140 ophthalmologists and vision researchers from different major hospitals and institutions in China attended the training course. Through the training, many participants said that they have realized the importance of ERG, acquired basic knowledge and broadened their view. Some young people expressed that the course has inspired their enthusiasm and would consider taking visual electrophysiology as their career.



During the lecture.

There are many advantages for using ERG examinations in China. However, ERG results provided by many hospitals and laboratories are not reliable and reproducible. This training course, organized by Prof. Bo Lei of the First Affiliated Hospital of Chongqing Medical University and Chongqing Medical Association, is a major step for spreading ISCEV standards and guidelines to this large developing country.

Practical demonstration.



Excursion near the junction of Yangtze and Jialing Rivers in Chongqing.



Prof. Bo Lei