

**Minutes of the 2010 Summer Council Meeting**  
**American Crystallographic Association**  
 Sheraton Hotel and Towers, Chicago - Friday, July 23<sup>rd</sup>, 2010

**Note: Formal motions and action items are highlighted in bold.**

The following members were present:

Judy Kelly (President)  
 Robert Von Dreele (Past President)  
 Tom Koetzle (Vice-President)  
 Carrie Wilmot (Secretary)  
 Jim Britten (Canadian Representative)  
 Marv Hackert (IUCr Representative)  
 S. N. Rao (Financial Officer)  
 Bill Duax (Chief Executive Officer)  
 Marcia Colquhoun (Administrative Manager)

**Absent:** Bernie Santarsiero (Treasurer)

**Guests present for part of the meeting:**

Sine Larsen (IUCr President)  
 Fred Dylla (American Institute of Physics (AIP) CEO)  
 Judy Flippen-Anderson (ACA representative on AIP Executive Committee)  
 Charlie Carter (ACA representative to AIP)

#### **Call to Order**

Kelly called the meeting to order at 8:22 AM.

#### **Agenda item 1: Review of current agenda (Kelly)**

The agenda was reviewed. Due to presentations by Sine Larsen and Fred Dylla, as well as the absence of Santarsiero, the agenda was significantly re-arranged. Hackett noticed that there was no IUCr Representative report on the current agenda. Hackett's report became agenda item 9A, and Larsen's presentation became agenda item 9B.

#### **Agenda item 2: President's Report (Kelly)**

1. Patterson Committee has selected Keith Moffat to be the 2011 Awardee.  
 2. Council of Scientific Society Presidents (CSSP) Meeting, DC, May 1-4, 2010  
 Sixty-two member societies including ACS, American Physical Society, Geological Society of America, Mathematical Assn of America, National Assn for Research in Science Teaching, AIP, etc.

The Center of Science Policy Development and Science Leadership Development was formed in 1973 by the Council. It advises all members of Congress interested in and working on issues related to science and math, works with heads of federal agencies regarding plans and policies for science and technology, works for a federal budget aids university-based and peer-reviewed research investments.

There were a wide range of presentations, all with discussion taking up one-third of allotted time, and with the major focus on energy issues and climate change.

Marcia McNutt, Director – USGS: "Managing resources in the context of climate change"

Steve Koonin, Under Secretary – Dept of Energy: "Strategies to meet energy needs"

Richard Feely, Senior Scientist – NOAA: "Ocean CO<sub>2</sub> increases and pH decrease"

Catherine Hill, Dir. of Research – Amer Assn of Univ: "Women Discrimination persists"

John Holdren, Director – White House, OSTP (previously Director of Woods Hole):

"Putting science in its rightful place: Problems are interdisciplinary and interlinked"

Robert Zoellick, President – World Bank: "Explored how the scientific societies represented might help problems addressed by World Bank"

Kelly participated in the Math and Science Education Committee meeting. This was primarily focused on STEM educators, rather than on what the societies could do to help. Jean Bahr of Geological Society of America referred to the GSA website that has an Education and Outreach section for Students and K-12 Teachers that lists Awards for STEM Education, Links and Lesson Plans, and Opportunities Such as Fellowships, "Ask a Scientist", etc. It was suggested that Cora Lind and the Communications Committee could work on producing a similar resource for the ACA web-site. Duax stated that the high school course he organizes had just finished. One of students wrote an article in the local newspaper about the course, which attracted some media attention. This student and two others were at the meeting. Duax would speak with them and see if they were willing to put something together for the ACA web-site. Wilmot suggested that the Continuing Education Committee should be involved. Kelly pointed out that they normally work at the level of graduate students and above. However, Kelly would bring it up with them at the lunchtime SIG meeting.

**ACTION: Kelly to speak with Cora Lind, and the Communications and (perhaps) Continuing Education Committees to put together a resource for K-12 educators and students for the ACA web-site.**

**ACTION: Duax to speak with High School students who had taken his course to see if they were willing to put some educational materials together for the ACA web-site.**

Kelly was Co-Chair of International Science Committee with Ralph B. James, BNL. The Committee worked on ways to ease problems for foreign scientists in obtaining US visas for scientific meetings. They established a web-link for international affiliates of CSSP member societies. The Committee had a breakfast meeting with Representative Bill Foster (D-IL) (PhD Physicist, Fermi Lab) who is on the House Financial Services Committee and Jannil Krause (NOA scientist), who is Science Advisor to Senator Daniel Inouye (D-HI), Chair of the Appropriations Committee.

Koetzle wondered if he should start coming to CSSP meetings. Kelly stated that he would probably get an invite for the December meeting, however the meeting was expensive. The committees Kelly was involved with are standing committees. She has accepted the appointment to Co-Chair the International Committee (initially for 1 year). Duax stated that he had sat on one of the CSSP committees for 4-5 years, so Kelly could continue in that capacity beyond her presidency. Kelly was told she had a President's discretionary fund that would enable her to attend the December meeting. Duax inquired about the balance of men to women. Kelly stated it was 2:1 men to women. Duax suggested that Kelly (ACA President), Sine Larsen (IUCr President) and Elspeth Garman (British Crystallographic Association President) should be photographed together to show that crystallography has women in power.

**MOTION: Accept report. (Wilmot/Britten. Unanimous)**

### **Agenda item 3: Approval of Minutes from Spring 2010 Council Meeting**

Minutes accepted with one correction by Hackett.

**MOTION: To accept the corrected minutes (Duax/Koetzle. Unanimous)**

### **Agenda item 4: Secretary's Report (Wilmot)**

*ACA minutes:* The minutes of the 2009 All-Members' Business Meeting were on the ACA web-site. Other minutes still had to be put up on the web-site. Wilmot said that the edited 2009-2010 minutes were ready for posting, and Colquhoun said it was simply a matter of time and priorities. Colquhoun will send Wilmot the e-mail addresses of the current SIG chairs, so Wilmot can send them the minutes from their 2009 lunch-time meetings with Council to help them prepare for this years lunch-time meetings. It was pointed out that the 2009 SIG annual reports are up on the web.

*Awards:* The triennial Patterson (Keith Moffat, University of Chicago) and Wood (Dan Nocera, MIT) awards will be presented at New Orleans 2011, in addition to the annual Etter Early Career Award (Yurij Mozharivskyj, McMaster University). David Watkins (2010 Fankuchen recipient) was unable to attend the Chicago ACA Annual Meeting for health reasons. It was decided to invite him to the 2011 Annual Meeting in New Orleans to give his plenary lecture at that time (Cahill to confirm). See agenda item 12 for further discussion of awards.

**MOTION: Accept report. (Von Dreele/Koetzle Unanimous)**

### **Agenda item 5: Canadian Representative Report (Britten)**

*2011 Madrid IUCr Congress:* The International Program Committee (IPC) for the 2011 Madrid IUCr scientific program met in Madrid in May. Three Canadians are on the committee – Lynne Howell (CBM), Pam Whitfield (CPD), and Jim Britten (2014 IPC).

The program is coming together on schedule. It requires approval and possible modification by the IUCr Executive Committee before it becomes official. Duax worried that the decisions were being made later than usual, and were out of step with the IUCr newsletter that puts out calls for abstracts. Hackett stated that there was an IUCr partial Executive meeting in Germany in August, and the scientific program was supposed to be approved at the meeting. Britten stated that everything was in the usual time-frame.

*2014 Montreal IUCr Congress:* There has been an offer of general assistance for the planning of the 2014 Montreal IUCr Meeting from the US National Committee for Crystallography (USNCCr) (i.e. Katherine Kantardjieff). Britten will present the offer at the next planning meeting. He expected that the Montreal planning committee would take advantage of the offer.

*The Second Chemical Crystallography Workshop (CCW)* was held at McMaster University, May 25<sup>th</sup>-29<sup>th</sup> 2010, as a satellite to the Chemical Society of Canada meeting in Toronto. Financial support had been awarded by the IUCr for international student travel assistance for students outside of Canada. Visiting students were from the US and India. This year invitations went out to local companies which use or may use single crystal diffraction analyses. One industrial student participated. There is an opportunity to improve long-term University/Industry crystallography collaborations in the CCW host cities. In 2011 the CSC meeting will be in Montreal, and the Université de Montréal has agreed to host the CCW, and Thierry Maris from UdeM was an instructor at the 2010 workshop. The Canadian National Committee for Crystallography oversees the operation and development of the workshop.

*Lachlan Cranswick:* The body of Lachlan Cranswick was discovered on the shore of the Ottawa River late this spring. There was a memorial service for him in Chalk River, and his ashes have been returned to his parents' burial site in Australia. The Mineralogical Society has named a new Argentinean mineral, Cranswickite, in memory of him. Pam Whitfield had taken over the Montreal powder meeting, which was attended by 24 students.

*AECL Chalk River Neutron Diffraction Facility:* The reactor should be online in a few weeks. There is a serious shortage of medical isotopes, and the reactor was

responsible for the production of 35% of the world's supply for some of them. It is not clear how long it will be before diffraction experiments will be possible at the facility. Low flux diffraction experiments are once again possible at McMaster's reactor.

There appears to be an increasing demand for texture analyses in the Canadian Engineering communities, in both Materials Science and Engineering Physics. Fast, non-destructive characterization of alloys, coatings, thin films, and nanowires is becoming popular.

**MOTION: Accept report. (Koetzle/Von Dreele Unanimous)**

#### **Agenda item 6: Treasurer's Report (Santarsiero)**

Santarsiero is Local Chair for the Chicago 2010 Annual Meeting, and so was absent.

#### **Agenda item 7: Financial Officer's Report (Rao)**

(Judy Flippen-Anderson was present during the Financial Officer's report)

*Financial report:* Rao presented the financial report and fund balances. There was nothing unusual to report.

*American Institute of Physics (AIP) treasurers' meeting:* Rao and Santarsiero had attended. A comprehensive employment tax bill had been recently passed in the legislature that requires more stringent book keeping by not-for-profit scientific societies. It is highly likely that the ACA will be audited in the next 3 years. The ACA will need to get its 2007-2009 financial books in compliance before the audit. From now on any spending/buying > \$599 has to be in the name of the ACA and 1099's filed. All expenses related to travel, hotels etc. must be paid for and then reclaimed by Council and ACA office staff. This means they are a reimbursement, and so are not taxable. There can be no more waiving of registration for Annual Meetings: people will have to pay up front and then reclaim. Award winners who are not US based will need a tax ID before award money can be given to the winner. The ACA office staff needs documented annual reviews and annual reappointment letters. Rao and Colquhoun are working to gather or retroactively create all the required documentation. Rao gave some interesting figures with regard to staffing in other AIP societies. Most have one staff per 300 members, and ~56% of their annual budget goes on salaries, health insurance etc, whereas the ACA is only spending 44% of its annual budget on staff.

*Finance Committee meeting (July 22<sup>nd</sup>, 2010) recommendations:*

1) The Finance Committee is concerned about the financial future of the Association and recommends that Council create a Development Committee or appoints a Development Officer to strengthen the financial focus of the Association.

The principles of the endowments that act as a safety net to ACA operations currently would only cover ~ 4 months of operations. This needs to be at the level of one year of the operations budget. To try and increase and retain the membership, along with seeking opportunities, Rao suggested that the ACA needs a Development Officer. This would not be a professional appointment, but someone from the membership who has a long term knowledge and commitment to the ACA.

2) Recommends a 10% increase in dues across all categories.

**MOTION: Raise dues by 10% across all membership categories in 2011. (Von Dreele /Koetzle Unanimous)**

3) Recommends that airmail fees increase according to the increase in postage expenses.

Marcia will get postage statistics.

4) Recommends that Marcia make a recommendation on how to proceed with staffing the office in the Fall.

Jen Shepard is leaving the ACA office following the ACA meeting. The Council wanted Jen to know how much they appreciated all her hard work, and wished her the very best in the future. Crystal Towns is being promoted to fill Shepard's vacated position, and so Colquhoun will need to hire someone to replace Towns. Colquhoun was worried about whether there would be enough funds for 2011, as the Chicago meeting may lose money. Rao stated that at the Finance Committee meeting it had been decided to wait until Fall to see what the final Chicago meeting \$ numbers were. Council felt that whatever the Chicago numbers were, the ACA office needs a third person and this could not be delayed. Colquhoun still worried that she might hire someone and then have to let them go in 2011 due to lack of funds. Everyone felt that if savings needed to be made, this should be elsewhere in the organization, not in the office. Koetzle pointed out the ACA is unusual in giving registration reimbursements to speakers at the Annual Meeting. Each Session Chair gets the equivalent of two reimbursements. There was also a mechanism for getting ACA discretionary funds, generally to help international speakers with travel. Wilmot suggested that no automatic funds be given to the Session Chairs, and have only discretionary monies that the Session Chairs could apply for in the hands of the Program Chair. Some Session Chairs have also been very active in pursuing sponsorship from vendors etc. This action should guarantee that enough funds will be available to cover the salary of a third ACA Office staff member in the ACA office operating budget.

**ACTION: Colquhoun will immediately start a search for a replacement for Crystal Towns' position in the ACA Office.**

5) Recommends that Council accept the Operating and Meeting budgets or send them back to the CEO and CFO with notation as to concerns. The budget will then be resubmitted to Council within 30 days.

This was approved by Council.

6) Recommends an increase in the registration fee of \$50 for Regular members and proportionately for all other categories.

Wilmot pointed out that the ACA Annual Meeting is cheap compared to other professional societies' annual meetings. Rao stated that the \$50 increase was based on the 2011 meeting costs, and so had a rational basis. The increase would take registration for Regular members from \$450 to \$500.

**MOTION: From 2011 increase the Annual Meeting registration fee by \$50 for Regular members and proportionately for all other categories. (Koetzle/Wilmot Unanimous)**

7) Recommends a fixed dollar amount for the program budget with clear instructions to the Program Chair regarding disbursement.

Currently between registration reimbursements and discretionary funds the budget is \$40,000. Kelly suggested reducing this to \$20,000 (50%). Rao suggested \$10,000. Von

Dreele questioned whether there should be any funds at all, as the honor of speaking at a professional society meeting generally does not require the enticement of money. Koetzle said that if someone was not willing to come without monetary support, there were always other people who would be willing to take their place. Wilmot pointed out that from one annual meeting to the next there was no obligation or requirement that support funds would be available, so the next meeting could be viewed as a blank slate. Britten stated that following the Toronto meeting he had monies left over that he had given back to the ACA. Koetzle mentioned that Transactions was different from normal sessions, and this may require funds to entice speakers to produce a Transactions presentation. Wilmot reminded Council that Santarsiero was arranging for Transactions and Plenary presentations to be audio recorded and linked to slide changes in the Powerpoint presentation file. These would be on the ACA web-site, where the slides would be shown and advanced with the speakers' voice. It was agreed that all session support funds should go to Cahill (2011 Program Chair), and there would be no guaranteed monies supplied to the Session Chairs. A straw vote was then taken to determine an amount for New Orleans 2011.

**MOTION: \$15,000 in discretionary funds will be provided to the Program Chair (Chris Cahill) for the 2011 New Orleans ACA Annual Meeting for use as he sees fit to support speakers. (Hackert/Britten Unanimous)**

8) Recommends a careful review of the Food & Beverage budget for possible reductions in costs.

Colquhoun stated that under our current contract we were required to spend \$50,000 on food and beverages. She pointed out that coffee and food at the opening reception in the Exhibitors Hall was \$23,000. Rao stated that the Finance Committee were not suggesting any reduction at this time, but that Council be aware that this is a growing cost that might require action in the future.

9) Recommends a \$150 late fee for abstracts received after the regular deadline and a \$200 fee for Hot Abstracts received after the extended deadline, time frame to be determined.

Wilmot felt \$200 for a Hot Abstract was a lot. Von Dreele stated that if people really wanted to show some new exciting work they would be willing to pay, and stated that other professional society annual meetings do this as a separate poster session and it is very popular. Wilmot was not so sure. Duax suggested rolling this into the late registration fee and allowing these registrants to submit an abstract at that time.

Colquhoun stated that there could not be too many posters, as they had to be out of the large exhibition hall by the end of Tuesday, so would need to be set up elsewhere. Wilmot reminded Council that winning posters had been displayed outside the meeting rooms' hallway after Tuesday during the Toronto meeting. This had been very well received, and the hot abstracts could be displayed with the winning posters at that time. Council was enthusiastic that this was a good option. Colquhoun stated that the Poster Chair Vic Young had suggested raising the late abstract fee as currently so many poster abstracts are submitted after the deadline making his job difficult.

**MOTION: Raise the late abstract fee to \$150. (Von Dreele/Britten Unanimous)**

10.) Recommends no increase in Exhibitor Booth fees and recommends offering a 25% discount for first-time corporate exhibitors in New Orleans.

Kelly and Von Dreele have produced a survey that lists companies attendees regularly buy from. It was hoped that this could be used to increase vendor representation in the Exhibition. Colquhoun stated that some of companies on the list had exhibited in the

past. If they return are they counted as new vendors? No, a letter would be sent to potential returning vendors giving the results of the survey and inviting them to exhibit. Britten said to target powder equipment vendors as people could not afford to go to powder meetings, and came to the ACA instead. These vendors are generally the same as the single crystal vendors, so perhaps these vendors could be persuaded to rent more space to include powder diffraction equipment and demos.

11) Recommends that ACA has a limited budget of \$10,000 maximum for telecommunications (Internet) at future meetings.

This year the cost was \$11,300, which Colquhoun had negotiated down from \$24,000. Hackert stated that setting a hard limit of \$10,000 may be unrealistic in view of the steep increase in these costs. Rao stated that this could be set to \$10,000 for 2011 only, and then reviewed later for subsequent meetings. Flippen-Anderson stated that this was old technology, that the use of phones to receive e-mail was growing, and when coupled with the free wireless internet in the hotel lobby, these costs should disappear in the next few years. As last year in Toronto, it was agreed that wireless in the meeting rooms was undesirable, as the audience in sessions should not be checking e-mail. However, the vendors require internet access, but this was already provided as part of the exhibition hall rental.

12) Report to Council that the Finance Committee approved the Abstract System Proposal from 360PSG.

13) The Finance Committee feels that the most important issues facing the Association are increasing and sustaining membership and increasing the operating reserves.

**MOTION: Accept report. (Wilmot/Koetzle Unanimous)**

### **Agenda item 8: Executive Officer / Headquarters Report (Duax / Colquhoun)**

*Budget:* Table 1. 2010 year-so-far spending was \$260,000 of the \$750,000 approved budget. Hackett noticed an error in the year-so-far council expenses budget, which incorrectly included insurance.

*ACA newsletter:* Table 2. 2010 year-so-far spending (spring [cost \$7,200, ad income \$14,800] & summer issues [cost \$9,000, ad income \$17,000]) and years 2000-2009 totals [2009 cost \$35,800, ad income \$54,400, surplus \$18,500].

*Annual Meetings:* Table 3. Chicago statistics so far: 621 abstracts, 875 registered. These were comparable to the 2009 meeting statistics, but donations were down by 50% (\$31,300 *c.f.* \$67,300). However, it was noted that in years prior to 2009, the normal amount of donations was ~ \$30-35,000. The Toronto meeting contained some special ear-marked monies, and so was not a realistic reflection of the normal amounts of donations. Therefore, donations are about the same as usual.

*Membership:* Table 4. The number of paid members is down by 300 compared to 2009 (1,588 *cf.* 1,888). Koetzle asked about the number of members who were not renewing their dues. Why were we losing them? Colquhoun pointed out that ~200 of these were non-members who registered for the Annual Meeting, and were automatically made members for the remainder of the year; very few of these renewed the following year. Unpaid members who come to the Annual Meeting are required to pay at the registration desk prior to receiving their badges, event tickets etc.

The ACA had ~2000 members in some of the previous years. The American Institute of Physics (AIP) allows two representatives per 1000 members. As the numbers were close to 2,000 the ACA had claimed 2,001 members, even if this was not the case, to

maintain two ACA representatives. However, with the upcoming steep increases in AIP dues per member, it had been recommended at the Finance Committee meeting (July 22<sup>nd</sup>, 2010), that the ACA would report the true number of members. This would save \$4,000 in the current year, and if numbers of members were the same, \$6,000 next year factoring in the AIP dues increases. The current two representatives are Judy Flippen-Anderson and Charlie Carter. Flippen-Anderson is on the AIP Executive Committee, so she would be the ACA representative at the AIP. However, Carter could still attend and observe at the meetings, but this would cost substantially less than the savings gained. Both Flippen-Anderson and Carter had agreed to this arrangement.

**MOTION: Accept report. (Von Dreele/Koetzle Unanimous)**

### **Agenda item 9A: IUCr Representative report (Hackert)**

*IUCr Executive Committee (EC):* The current EC consists of S. Larsen (President), P. Colman (VP), S. Lidin (Sec. Treas), Y. Ohashi (Past Pres) and members G.R. Desiraju (India, 2011), C.J. Gilmore (UK, 2011), M. Hackert (USA, 2011), C. Lacomte (France, 2011), E. Boldyreva (Russia, 2014), and J.M. Perex-Mato (Spain, 2014).

Now is the time for nominations for membership of the IUCr EC and the IUCr Commissions. These must be submitted on the appropriate nomination form and sent to the Executive Secretary (2 Abbey Square, Chester CH1 2HU, UK; fax +44-1244-344843; email [execsec@iucr.org](mailto:execsec@iucr.org)) to reach him no later than 31 August 2010.

The next full meeting of the IUCr EC will take place in Busan, Korea, 29–31 October 2010. The Finance Committee met in Copenhagen, Denmark, 23–24 March 2010 and will meet next in Darmstadt, Germany, 28 August 2010. The Finance Committee reports that the IUCr operated with a profit in 2009 and that the value of its assets increased substantially as a result of the gains in the stock market during 2009, contrasting with the dramatic decrease in 2008. There will be a partial IUCr EC meeting in Darmstadt, Germany, on 29 August 2010 for those members who are attending the European Crystallographic Association conference.

*Fraud:* The IUCr is considering appropriate responses taken and to be taken to restore the confidence in the scientific and crystallographic community after cases of fraud were discovered.

*World Directory of Crystallographers:* Iris Torriani, General Editor, of the Directory, sent an email this spring urging and inviting crystallographers to update/create their entries and remind them of the importance of the database and of the benefits that membership brings (<http://wdc.iucr.org/>).

*2011 IUCr Congress and General Assembly:* The next IUCr Congress will be in Madrid in 2011. Under discussion are ways to honor and celebrate the three Nobel Prize winners in chemistry for 2009. The Ewald Prize winner will also be honored. There is broad support for celebrating an 'International Year of Crystallography' (see agenda item 9B).

*Statutes and By-Laws Committee:* The Committee consists of Ted Baker (Chair), Andre Authier, Marv Hackert, and the Executive Secretary Mike Dacombe. Hackert is the only EC member on the committee. The committee has had many email exchanges discussing several matters including: changing the roll call at beginning of General Assembly sessions and the way reports by Commissions are handled to speed up the processes; whether to allow secret ballots at more than one session so that decisions such as site location and EC elections can take place on different evenings; the issue of secret ballots and voting procedures, including the use of electronic means to record votes; whether all appointments of ordinary members should serve for 6 years, and should we change the way inactive members are removed; officially adding the position

of Executive Secretary to be included in the Statutes and By-Laws; ways to insure greater diversity and geographic representation on the EC and IUCr commissions, and ways to incorporate Regional Associates at the General Assembly. Further input related to these matters will be obtained from discussions taking place this summer with the goal of having a status report ready to be presented at Darmstadt and then a full report with recommendations ready to be presented to the IUCr EC at Busan this fall.

Hackert needs feedback from the ACA on how greater geographical diversity could be introduced. Hackert wanted specific EC seats for an Asian, European and Americas Representative. It had also been suggested that the ballot for appointments on the EC be clustered into Asian, European and Americas candidates, and one appointment made per geographical category. What makes this difficult is that Regional Associates (e.g. the ACA) are not members. Most of the IUCr countries have structures similar to the Americas, whereby the National Committee of Crystallography is not the main professional body within the country. It seems having the Regional Associates as IUCr members would make the most sense. There is a plan whereby Regional Associates can attend the General Assembly (GA) and would be able to speak, but not vote. Duax liked this idea as if the Regional Associates were gathered together at the GA, then they could start talking and coming up with ideas of how to make the GA work better. Hackert was asked about how people are recognized at the GA. He said there was a move whereby the name of the country would be called, and delegates would stand up and introduce themselves. This was mainly in response to the difficulty of pronouncing delegates names. Hackert is pushing for IUCr Congress and General Assembly sites to be formally accepted 6 years in advance due to the problems of booking conference centers for this size of meeting. This has the full support of the Statutes and By-Laws Committee and the EC.

There is a big push to make voting at the GA electronic. Also to have the GA split into two day meetings to reduce the length per day, with the two biggest issues on separate days.

### **Agenda item 9B: IUCr (Larsen)**

Sine Larsen (President, IUCr) made a presentation to Council.

*Louis Delbaere:* The untimely death of Louis Delbaere, who was a member of the IUCr Executive Committee, was keenly felt. Canadian crystallographic community and the US National Committee for Crystallography (USNCCr) had been consulted regarding a replacement for Delbaere, and all agreed that Marv Hackert should be considered to take Delbaere's roles within the IUCr. The IUCr Executive Committee then voted.

[Larsen wished to make this clear as it had been reported in *RefleXions* that it was Larsen alone who had approved Hackert's appointment].

*Statutes and By-laws reform:* Hackert is serving on the Statutes and By-laws Committee, which is a major reform initiative within the IUCr. Larsen was asking IUCr Members, Commissions and Regional Associates, such as the ACA, to come with ideas to be presented to the General Assembly in Madrid 2011.

*World Directory:* This is now internet based and Larsen is urging crystallographers to update (or make) their entries in the Directory. She asked Council to bring this to the ACA membership. Major problems had been encountered with use of other alphabet systems, and how to translate these. When these bounce back they are being taken to that country's National Committee to sort out. The Directory is also the address list used for the IUCr newsletter mailing list.

*2011 IUCr Congress and General Assembly in Madrid:* All three 2009 Nobel Laureates in Chemistry will be speaking during Congress. Larsen had asked the International

Program Committee (IPC) to keep 1-2 slots free within symposia to enable last minute oral presentations in ground-breaking areas. The IPC met in May 2010, and the program is almost complete. Larsen and IUCr representatives went to visit the venue in May, to make sure the venue and local organizers realized what the IUCr needed. There are very few hotels by the Municipal Conference Center where the Congress is being held, but public transport is great and cheap (<\$1), and so there should be no problem with people coming from more remote hotels to the venue. Hackert stated that at the IUCr Congress in Geneva, if attendees had an IUCr badge they were not charged on public transport. Larsen stated that this was in the original proposal, and will be followed up. The IUCr will be the only conference using the venue during Congress. However, they are having trouble finding a suitable room for the General Assembly that can accommodate electronic voting. The Organizers and City Officials have been very helpful and working hard to make all this happen.

*International Year of Crystallography (IYCr)*: Larsen wants to have the United Nations General Assembly make 2013 the International Year of Crystallography (IYCr). 2013 is the 200th anniversary of Laue's discovery of X-rays, and the 100th anniversary of the Braggs' use of X-ray diffraction to solve crystal structures. This is an opportunity to raise awareness of the importance of structural science by the public, students and funding agencies. Prior to 2013, she proposes to have the National Crystallographic Committees bring together historical and educational materials, and make them accessible to the public. The IYCr would provide an opportunity for IUCr Commissions to increase their interactions with each other. It is imperative that Regional Associates support IYCr, and so she asked for feedback from the ACA and Council.

A proposal will be taken to UNESCO, and then put before the UN. A UN designation is critical for attracting substantial funding. 2009 was the International Year of Astronomy, and the governing society is about the same size as the crystallographic community. National regions would organize events in their own country. Spain has a great web-site with many resources and educational materials. Such national sites could be linked together under an IYCr umbrella web-site. It is not envisioned that there will be a lot of new work involved, but to pull together resources that is already out there (web-based and physical material) into a concentrated resource. The IUCr Chester office, UK, can set up and manage the web-site. It was important to get the message out that crystallography is vital to so many areas of growth, e.g. new materials, nanotechnology etc. There are 18 non-publishing scientific Commissions, and these would be charged with making a combined resource happen. The Executive Committee would talk to the Commissions in Madrid, and ask them what each of them will do for 2013 IYCr. The EC wants the Commissions to prepare a 1-2 page summary of the focus area of the Commission for dissemination to the general public. They would then meet to coordinate efforts for the IYCr. There would be a need to create IYCr Working Groups to address different areas, e.g. publicity, education etc. The IUCr can help by providing some financial support. Recently there was a public exhibition on crystals in Grenoble, France, which attracted 35,000 visitors and received a lot of public interest.

Duax suggested that National Committees be charged with taking Commission ideas and coordinating national events around these. This would be a problem for smaller countries. Kelly stated that the ACA would reach out to help Central and South American countries organize events. Larsen stated that Regional Associates would be major organizers for national events in addition to National Committees. IUCr will be the umbrella organization, and can provide seed money if necessary. Local fund raising can also be held for supporting specific events. Larsen outlined the time-table. IUCr will go ahead and put together paperwork for discussion at the UN in spring 2011. Kelly asked

what the ACA needed to do for this. Larsen stated there was no point putting in effort at the national level until the proposal is approved by the UN. Hackert asked why not 2012 as the IYCr? Larsen stated that they need time to organize. UN approval in the spring of 2011 would leave too little time for properly organizing events. Britten pointed out that 2013 was the year before the 2014 IUCr Congress and General Assembly in Montreal, and so having the IYCr the prior year would raise the profile of that meeting. Kelly wondered about making 2014 IYCr when Congress was held. Larsen stated that it was too much to organize Congress and IYCr in the same years.

ACA Council should take a look at the IY of Astronomy website to get a feel for events associated with an IY designation. There were 148 national astronomy nodes, with 130 organizing astronomy events in 2009. She point Council to the Canadian IY of Astronomy web-site ([www.astronomy2009.ca](http://www.astronomy2009.ca)) to get an idea of the scope. Larsen envisioned the IYCr in 2013 achieving the following: Coordination of the celebrations of the Laue-Bragg centennials. Promotion of crystallography to the general public. Strengthening the visibility of crystallography in the scientific landscape.

### **Agenda item 10: Annual Meetings**

#### **A. 2010 Chicago:**

*SIG and Standing Committee lunches with Council:* Colquhoun had heard from most Committees and SIGs as to who would attend the lunches with Council. She was only missing a response from BioMac, Powder and Neutron SIGs and the Communications Standing Committee. Von Dreele pointed out that Powder and Neutron SIGs had a joint SIG meeting with Materials, so it was possible that Materials would present the Powder and Neutron SIG reports.

*Last minute logistics:* The registration desk was moved from outside the exhibition hall to outside the meeting rooms. It would have been quite isolated as the exhibition is 3 floors below the meeting room floor. Kelly's opening of the Meeting has been moved to 8:30am on Sunday morning, due to the cancellation of David Watkins acceptance of the 2010 Fankuchen Award and Plenary Lecture. This would now take place in 2011 at the New Orleans Meeting. The President's Reception has been moved to the Missouri room.

*Prepare Business Meeting agenda and review 2009 minutes.* Draft agenda had been provided pre-meeting.

*President's report:* This should include the upcoming increase in membership dues and registration fees for the Annual Meeting. Also the fee for late abstract submission will be increased. Announce that the IUCr was attempting to get 2013 designated as the IYCr. Ideas for events and ways to raise the awareness of crystallography with the general public and the larger scientific community should be given to the ACA IUCr Representative, Marv Hackert. Members could also tell members of the ACA Council or the USNCCr their ideas, and these would be passed to Hackert.

*Vice-President's report:* This should be focused on upcoming Annual Meetings and awards. Announce that the 2011 Program Chair is Chris Cahill with the Local Chairs being Ed and Cheryl Stevens. The 2011 Patterson, Wood, and Etter awards have already been decided, and these should be announced. A call for 2012 Buerger, Warren & Etter nominations should be given, with a deadline of April 1<sup>st</sup> 2011, which is earlier than usual as 2011 is a spring meeting year. Koetzle asked about how award committees are put together. The tradition is that the previous winner convenes the award committee, and they appoint a Chair internally. A Fellows program update should be included. The current situation is that the membership voted to support the formation of a Fellows program, and Council are currently developing guidelines. Annual Meeting

sites for 2013-15 are under development. *Prepare banquet agenda:* Draft agenda had been provided pre-meeting. Council, past presidents, award winners, and IUCr EC members should be introduced. Normally the Program Chair says a few words and thanks everyone involved in the organization. Unfortunately Ross Angel was unable to attend the meeting. Should Bernie be asked to say a few words? Dr. Choucair, a representative for the Chicago Mayor's office will attend. If he is should he say a few words? See Bernie about this. Vic Young is the Poster Chair, and this has worked great. He will present the poster prizes. So as well as having official Program and Local Chairs, there is now an official Poster Chair position.

### **Agenda item 11: American Institute of Physics (Dylla)**

(Judy Flippen-Anderson and Charlie Carter were present during the AIP report)  
Pre-meeting Colquhoun had alerted Council that the numbers of 2010 paid ACA members is 1523 (as of 6/21/10). Normally the ACA reports 2,001 members to the AIP, so that ACA has 2 representatives on the AIP Executive Committee and Governing Board, despite the extra cost. However, with the 2010 ACA membership being so low (down 300 from 2009), should this continue? With AIP membership dues increasing by 50% in 2011 (2010, \$6 per ACA member; 2011, \$9 per ACA member), getting the 2<sup>nd</sup> AIP Council seat seemed very expensive. Flippen-Anderson and Carter had already agreed that ACA should report the correct member numbers to AIP to save money. Flippen-Anderson will remain as an official ACA Representative to the AIP, as she is on the AIP Executive Committee. Carter will be able to go as an observer.

**MOTION: The ACA will report the real membership numbers to the AIP, and have only one official representative at AIP (Flippen-Anderson). (Von Dreele/Wilmot Unanimous)**

Fred Dylla (AIP CEO) made a presentation to Council. Dylla was an accelerator builder, so he feels he has an affinity with the ACA, and is a member (he is a member of all ten Societies that belong to AIP). AIP consists of 10 physical science societies. ACA joined AIP in 1966. AIP has 152,000 members, and has an annual budget of \$75,000,000 and 400 staff. AIP is one of the largest non-profit publishers in physics, and 95% of AIP's income comes from publishing (most Societies earn > 50% of their income from publishing). Thus they are active in the debate regarding open-access. They are also a full-service publisher. They are home to the Society of Physics Students (SPS) (~4,200), and the Niels Bohr Library and Archive.

They run the "Inside Science News Service" web-site (see "Council matters arising on July 26<sup>th</sup>" below for more details). Britten stated that in Canada universities have a person to write news for the public, Can AIP use these resources to save money? Carter wondered if AIP could increase the number of articles, and could become a commercial vehicle for the news media. Duax wants AIP to help with ACA news media. Kelly stated that she will tell the Communications Committee about the AIP resources, and see what they can come up with to help ACA promote itself and science. AIP can supply a person (+ 2 helpers) to read all Meeting abstracts, choose 30 that they believe could have high impact, write media releases on these and bring in media for a press conference if appropriate. AIP charges for this service (non-profit). Also AIP can put together 90 second science clips for TV news programs.

**ACTION: Duax will find out how much bringing in AIP media people to cover the ACA Annual Meeting would cost.**

**ACTION: Kelly will charge the Communication Committee to look at the AIP "Inside Science News Service" web-site, and have them formulate a**

**plan of how ACA can make maximum use of these resources.**

**ACTION: Britten to investigate and cost how AIP might be able to help with recording Transactions and Plenary lectures for the ACA web-site.**

AIP produces an unbiased political electronic news letter about every 3 days called "FYI: The AIP Bulletin of Science Policy News". AIP loses \$1,000,000 on all these media/political ventures, but views it as a public service.

They fund two Fellowships that enable postdocs to act as science advisors for a year (State Department Science Fellowship and the Congressional Science Fellowship).

They have a Statistical Research Center. ACA has used this in the past to conduct surveys.

The AIP's historical archive has 200,000 photos on-line that includes Powerpoint quality images to download and use. The web-site receives more than 10,000,000 visitors each year. They have an International Catalog that includes 75 crystallographic world wide databases. Flippen-Anderson stated how excited she was to put ACA newsletters etc. into the AIP archives.

When students join the SPS they can choose a membership in one of the societies. At this time, not many students choose the ACA. Every 4 years the SPS holds a Congress. The last one was at the Fermi labs and attracted 800 students, and one of the speakers was a crystallographer. Member societies can also ask student reporters to come and write up something about the ACA Annual Meeting.

AIP organizes the vendor show at the ACA Annual Meetings, and the ACA is very happy with this arrangement. They sponsor Forums at member society annual meetings, where industrial leaders (e.g. ACA exhibitors + AIP has 31 Corporate Associates) can keep current on the latest innovations and global trends. Duax stated that he and Colquhoun should visit one of these at another AIP society's annual meeting. An ACA Forum could be held on the same day as the workshops. Britten pointed out that there are two types of industry at the ACA; those that make equipment (exhibitors) and those that use crystallography in R&D. The next Forum will be in Rochester, NY at the October Meeting of the Optical Society. Duax suggests that this could be linked in to the Fall Council Meeting. Dylla stated that Corporate Associates really appreciate this type of event, and it keeps the "sales pitch" away from science sessions.

**ACTION: Duax and Colquhoun will visit the Forum at the Optical Society Meeting in Rochester, NY in October, to see if this is something ACA might want to do at the Annual Meeting.**

AIP runs the Applied Physics web-site, which is set up for "strategic reading" i.e. key points and data easily available. Carter stated that it does not currently have crystallography journals, except those of the IUCr. Dylla stated that they were still gathering journals meta-data, and so it was not that useful to ACA at this point. AIP has produced an app then enables iphone access, although it cannot port to all mobile devices. The physics manuscript output of most nations has remained steady, but papers from Chinese labs have tripled since 2003 and are now equivalent to those of US labs. AIP has just opened an office in Beijing. Von Dreele stated that there was a real problem when Chinese tried to translate their work into English for publication. AIP will run courses to help the Chinese with this. They want to foster bringing the best Chinese physics research to the World, and also to increase the number of Chinese reviewers, editors, and editorial board members.

**Agenda item 12: ACA Awards**

**A. 2011 Awards; Charles E. Supper Instrumentation Award:** Rao had spoken to Steve Nelles (Supper) following the 2009 ACA Annual Meeting, who said he would send \$600. He did not, and when Rao contacted him he said he could not afford to send the money. He told Santarsiero a different story, and said he wanted it to be awarded every year. He was told no, and that Council decides when awards are made. Rao had suggested that 2012 would be a good year for an award as the meeting is in Boston, which is where Supper is based. Nelles was unhappy with this, and wanted a 2011 award. Nelles was registered for the 2010 meeting although Supper did not have an exhibition booth, but Rao would try to find him and speak with him. The last year the Supper Award was made was 2004. The current principle of the Supper Award endowment is \$12,000. Whenever a donation is made 60% goes to award spendable, and 40% to the principle. It involves a \$1000 cash prize, and assuming 5% per annum growth, it cannot be given every year, but would support a triennial award cycle. If an award is made in 2011, then it cannot be made in 2012. Kelly stated that with a projected growth of \$360 per annum, Nelles needs to decide whether he wants it awarded in 2011 or 2012. With the current endowment being self-sustaining, the award will be placed on an official triennial cycle. Previously this award had been given at the discretion of Council with no fixed cycle. Wilmot asked about forming an awards committee, as with other ACA scientific awards. Koetzle felt the hardware community was too small, and that the decision should be kept within the ACA Council. Wilmot stated that many of the Council members were not hardware experts, and she worried whether Council could make an informed decision. Koetzle said that the Council could consult with the community at large.

Kelly had noticed that the ACA brochure given to AIP did not contain a photo of Supper, unlike the other named awards. Colquhoun stated that she does now have a photo and will replace the logo currently in the brochure with the picture of Supper.

**B. 2012 Awards; Buerger & Warren Committees:** The Vice-President is in charge of appointing the award committees. See agenda item 10, section "Prepare business meeting agenda", paragraph "VP's report" for more details.

**C. Memorial Awards:** Britten brought up the subject of one-off memorial awards that had been discussed at the Spring Council Meeting (see 2010 Spring Council Meeting minutes, agenda item 10A, section "Memorial award"). These would be honorary awards. Based on this discussion Britten proposed to advertise the awards in Reflexions. He suggested a two stage process. First ask for nominations accompanied by a half to full page summary of the nominees' achievements, along with 5 keywords. Britten expects that there could be lots of nominations to start with as this is a new award mechanism. He suggests keeping the nominations that are not the subject of that year's awards, and review them with new nominations in subsequent years. The Council would then choose who to honor that year, and the number of honorees could change from year to year. In the second stage, the provided keywords would be used to search oral and poster abstracts to help identify potential recipients. The Poster Chair could do this. Hackert suggested that the winner should write a short piece (~5 minutes when read) on the person being honored. This could be read out by the presenter when making the award at the banquet. This would give the recipient a sense of connection to the person being honored, a sense of community to those present and help the ACA remember the contributions of those who had come before. The logistics need to be worked out. The original idea was to give a \$50-100 award. Colquhoun stated that a plaque would be best rather than money. A picture of the person can also be placed on the plaque. Council uniformly liked this idea. Britten will put a more detailed proposal of

how this might be done and e-mail this to Council. Council could then vote on the proposal at the Fall Council Meeting.

**ACTION: Britten will put together a logistics proposal for making general Memorial Awards, and e-mail to Council.**

### **Agenda item 13: ACA RefleXions**

Finances; Table 2. Council meets with Judy Flippen-Anderson and Connie Rajnak on Thursday over lunch. Kelly stated how wonderful the newsletter was looking. Colquhoun still has to send libraries a copy (an action point from the Spring Council Meeting) and ask if any wish to subscribe.

### **Agenda item 14: ACA Summer Schools**

There is one school only this year (small molecule crystallography run by Charles Lake). Britten reported that the Canadian CCW had four students who decided to go to that school over the one run by Lake. The CCW was more practically based, whilst the Lake school was more theory driven. Thus the two schools are appealing to different subsets of the community, and are complementary. There was a desperate need in the community for a macromolecular X-ray crystallography summer school (or more than one). Kelly asked if there had been any applications for schools. Wilmot reminded Council of the discussion at the Spring Meeting, where it had been decided that a call for a "letter of intent" might prove more effective in persuading members to think about putting together a school, than immediately asking for a full proposal. The ACA office and Continuing Education Standing Committee would help potential organizers put together a full proposal and budget. This needed to be announced in RefleXions. Kelly had written a letter to all the SIG Chairs following the Spring Council meeting to ask their membership about organizing summer schools, and also to identify scientific growth areas within the community that may form the basis for a new SIG. Wilmot stated that the SIGs probably needed reminding of this, and she was intending to send an e-mail regarding annual reports and the lunches with Council, so she would include a reminder to bring these topics up with the membership at the SIG meeting.

**ACTION: Wilmot will e-mail SIG Chairs about their annual reports, lunch with Council, and to remind them to ask their membership at the SIG meeting for ideas for new summer schools and SIGs.**

### **Agenda item 15: SIGS and Committees**

*Scientific Interest Groups: Industrial:* Britten suggested SIG Officers for Industrial SIG should be members who use crystallography as part of their job, e.g. pharma, rather than vendors. Wilmot stated that it was hard to get SIG Chairs from this community. Herb Klei (Bristol-Myers Squibb) was Chair for three years because he could not find a replacement.

*Data, Standards, and Computing Committee:* Koetzle felt supporting software development and maintenance was vital for the future of crystallography, and the Committee could get involved in this somehow. It was not clear how they could do this. Kelly had written to them to look at IUCr Commissions, and come up with new roles for the Committee. Koetzle stated he would bring this up with them at the lunch with Council, and also canvas the membership who attended the business meeting for ideas. Von Dreele stated that the ability to run older software was being lost. Rigorous diffraction and crystallography theory was not being widely taught anymore, which new software developers needed to know.

*Communications Committee:* The Committee had been charged to make a press release regarding the 3 Nobel Laureates speaking at the Annual Meeting. They had not done this, so Kelly and Santarsiero had to quickly put together a press release. Because this was last minute they were unable to arrange a press conference, which had been a goal for the ACA. There is a real problem with getting the Committee to do anything, they had not attended the 2009 lunch with Council, and there was no annual report either. Wilmot inquired if there was a mechanism for removing Committee members that were not performing their duties. Kelly and Colquhoun stated no. Ross Angel had just been elected as a member of the Committee, and it was felt that he might be able to invigorate them. It was suggested that the Committee feed newsworthy items to the AIP's on-line "Inside Science News Service". These points would be raised with them at the lunch with Council (if they attend).

### **Agenda item 16: ACA Membership**

*Member Central and South American countries:* Britten brought up an e-mail from a Mexican member. Mexico has less than 10 members, but was applying for a Country Membership. Colquhoun stated that there are currently 16 Country Members. Hackett asked to meet with representatives of the Americas countries to enable him to give feedback to the IUCr and ACA. Kelly suggested forming a Committee to enable all the other countries to meet. Duax stated that previously there had been a lunch. Colquhoun will get together all the e-mail addresses of ACA meeting attendees from the member countries, and set up a meeting for ACA attendees to meet. Kelly suggested that it was important for them to decide what would be most useful for them with regard to the ACA. Koetzle suggested that Hackett puts together a time and place for them to meet. Wilmot stated that she thought it was important for the ACA President to go to the meeting as well to show how we value Country Members. Hackett reminded Council that in the case of the IUCr it was not the countries that were members but the National Committees. Britten suggested that travel funds were needed to get people from the Central and South American countries to attend. Kelly suggested that a meeting could be virtual. Wilmot suggested trying to meet with any attendees from Member Countries to get feedback from them. Brazil has two representatives at the meeting; Jose Ricardo Sabino, Javier Ellena. Member Countries get two registrations to the ACA Annual Meeting, two nights accommodation and banquet tickets, and two Brazilian students had also been awarded ACA travel support. Colquhoun suggested talking to them. Duax felt contact through an IUCr representative was most appropriate, and then regional affiliates could be invited to attend.

**ACTION:** **Colquhoun will give Hackett a list of foreign attendees (including e-mail addresses) from Central and South America, and Hackett would try and meet with them.**

Britten pointed out that South American countries were likely to attend the 2011 IUCr Congress in Madrid, Spain, so it may be good to try and get them together there to discuss how the ACA can best serve the Member Countries.

### **Agenda item 17: Other Organizations**

See agenda items 2 (CSSP), 9 (IUCr) and 11 (AIP).

*US National Committee of Crystallography (USNCCr):* Koetzle informed Council that the National User Facility Organization (NUFO) that includes representatives from DOE, NIST, APS, Oak Ridge etc., were reporting at today's USNCCr Meeting. It would be interesting to hear about what was discussed. Hackett left the Council Meeting at 3:30pm, as he needed to report IUCr business to the USNCCr.

*2011 National Academy of Science (NAS) Award in Chemical Sciences:* NAS is seeking nominations for this award. It comes with a cash prize of \$15,000.

**ACTION:** Colquhoun to place an announcement about the NAS Award in Chemical Sciences on the ACA web-site.

*IYCr:*

**MOTION:** The ACA supports the UN recognition of 2013 as the International Year of Crystallography (IYCr). (Koetzle/Wilmot. Unanimous)

### **Agenda item 18: New Business**

Koetzle had received an e-mail from Francis Bernstein regarding health concerns (due to the oil spill) with regard to attending the 2011 ACA Annual Meeting in New Orleans.

### **Agenda item 19: Old Business**

None.

### **Agenda item 20: Future Council Meetings**

**A: Fall 2010, Saturday October 9<sup>th</sup>.** Kelly had looked into the cost of holding the Fall meeting in Portland, Maine, where she lives. However, this was too expensive as it was prime leaf season. Buffalo or Chicago was most economical. However, it was suggested that Boston would be a good option, so that Council could visit the 2012 Annual Meeting site, and stay at the conference hotel (a Westin that is on the water). It was pointed out that as 2011 is a Spring ACA Annual Meeting year, there would be only two Council meetings; one preceding the Annual Meeting, and the other in the Fall.

### **Adjournment**

**MOTION:** Adjourn meeting. (Unanimous) Meeting adjourned at 4:02 PM.

**Council matters arising on July 26<sup>th</sup>:** In attendance; Charlie Carter (American Institute of Physics Representative)

*Promoting ACA and crystallography through AIP's "Inside Science News Service" (ISNS):* Carter thanked Council for letting AIP come and present at Council. He believes changes at AIP are constructive, and this is mainly due to the efforts of Fred Dylla. Carter felt that AIP should have a Representative who attends ACA Council Meetings. He specifically wanted to speak to Council about AIP's "Inside Science News Service" web-site. Writers produce articles for the general public that report on the most exciting discoveries in science. This is a very important mission that helps the public value science. This year AIP has statistically analyzed the impact of ISNS in the media. Carter was impressed with the statistics on how many articles were written, including many outside the area of pure physics, such as biology. The number of articles per year is growing, and as are the number of stories being picked up by the media, particularly Fox News. AIP hires part-time journalists who are not tied to particular newspapers or TV channels, and thus is less biased by politics etc. It is felt that ISNS is at a tipping point where it is generating enough stories for AIP to start charging media for their use. What can ACA do? Carter wanted to propose several things that the ACA Communications Committee could be charged to do. (1) Examine the ISNS website and form opinions of how they can help. (2) Contact people at AIP about areas where the ACA might be able to contribute stories. The Communications Committee could even write drafts of articles themselves. (3) Review abstracts for the ACA Annual Meeting

and identify those most newsworthy. Wilmot reminded Council that the ACA could pay AIP to do this the first time as a learning process. Communications could then work with them. In following years they could take on the role themselves. Carter believed the price was prohibitive. Santarsiero had already asked AIP for a quote, and it was ~\$2,000 for 5 articles. Jason Bardi, science writer and author of "The calculus wars" said he would do an article each year pro bono. Hackert asked if we could get session Chairs to identify one abstract that was particularly newsworthy from their session. Major scientific societies have an appointed media liaison, but the ACA does not. Duax suggested getting authors of abstracts to give a one sentence summary stating the importance and relevance of the work detailed in the abstract.

*Publishing Transactions:* Wilmot asked Santarsiero if he had managed to set up audio recordings linked to Powerpoints for this year's transactions and plenary lectures. He said no, but he hoped to get this setup in New Orleans. The hotel insisted that if the plenaries were to be video recorded, then the ACA had to hire a professional videographer. Tapping into the audio system would have cost even more money. So we need to get annotated Powerpoints again this year. This has not been working. Colquhoun stated that only if the speakers sent word documents, which were turned into PDFs was anything getting posted on the web. Wilmot stated that Transactions should be renamed as a Symposium if this continues.

*Robert Bau Award in Neutron Diffraction:* Bob Bau's widow (Margaret Churchill) had given a check for \$35,000 to start a neutron diffraction award in his name. This is a sizable amount, and so Rao believes the first award can be given in 2013 when the interest had accumulated to pay the first awardee. Rao had written a paragraph on the Bau award for Council to consider. Koetzle had been asked to administrate the award. If Council approves the creation of the award, Koetzle would announce its creation at the start of the afternoon Transactions session, and thus to honor Bob Bau whilst Margaret is in attendance. Koetzle also wanted to announce that Ray Stevens has set up an endowed fund for graduate students at the University of Southern California, which was not ACA associated. The last Council meeting had already approved that action, and so Koetzle could do this. The ACA did not want to be a party to solicitation, but announcements of non-ACA happenings of interest to members could be placed on the web-site or as a simple notice in Reflexions. Like the other awards, the principle of the Bau award would be placed in its own endowment account, and an option for members to add to this would be included on the annual membership dues form.

**MOTION: Establish a Robert Bau Award for Neutron Diffraction; a triennial award starting 2013 (Von Dreele/Santarsiero Unanimous)**

### **Council matters arising on July 29th:**

*2011 ACA Annual Meeting:* Rao produced more detailed financial projections for the 2011 ACA Annual Meeting in New Orleans. He has assumed an attendance of 675. It was pointed out that the cost associated with the Transactions was not included. Speakers are reimbursed for their registration, which had been ~\$8,000 this year. Koetzle stated that there had been 16 speakers, which was more than usual due to the last minute nature of the organization. Wilmot asked if speakers should be reimbursed, as getting Transactions presentations onto the ACA web-site had been a disaster. Britten stated that they would be got into a format suitable for the web-site. It was decided to make the cost a fixed amount. This would be \$5,000, i.e. 10 speakers.

*New financial guidelines for Annual Meeting organizers:* Rao had written some updated guidelines for the Meeting organizers from the Finance Committee. In particular, there

were new guidelines relating to speakers from other countries. Previous international award winners had been allowed to request for their award money check to be cashed by the ACA so that they did incur financial charges. It had been decided that this practice would no longer be allowed, and all award monies would be issued as checks in US \$. Due to the tightening of tax laws with respect to scientific societies, international speakers who were given honoraria or awards would need to have a tax ID (the ACA Office would help with this) and a business visa (i.e. not a tourist visa). These stipulations did not apply to reimbursements to international speakers that were supported by receipts. It was important that these changes be added to the awards information on the ACA web-site. With regard to workshops, it was suggested that the guidelines included the information that the ACA Office would help potential organizers with their budget. To do this they did need to have a realistic estimate of the number of attendees. Cora Lind had run an unusual workshop for local high school teachers to introduce them to educational materials related to crystallography. It was decided that Council need to develop a policy regarding ACA financial support for these non-traditional workshops. This should be added to the October Council meeting agenda. Lind was not going to run a workshop in 2011 as the ACA Annual Meeting was over the Memorial Day weekend, and so she projected that attendance would be low. She is intending to run another such workshop in 2012 at the Boston Meeting.

**ACTION: Colquhoun to add to the October Council Meeting agenda “Unusual workshops”**

*2012 ACA Annual Meeting:* Koetzle had spoken with Bruce Foxman (Brandeis University) about being Program Chair for the 2012 Annual Meeting in Boston. He had agreed but wanted a Co-Chair upfront.

**Summary of Action Items and Motions of the 2010 Summer Council Meeting  
American Crystallographic Association**

**President's Report (Kelly)**

**ACTION:** Kelly to speak with Cora Lind, and the Communications and (perhaps) Continuing Education Committees to put together a resource for K-12 educators and students for the ACA web-site.

**ACTION:** Duax to speak with High School students who had taken his course to see if they were willing to put some educational materials together for the ACA web-site.

**Agenda item 7: Financial Officer's Report (Rao)**

**MOTION:** Raise dues by 10% across all membership categories in 2011. (Von Dreele /Koetzle Unanimous)

**ACTION:** Colquhoun will immediately start a search for a replacement for Crystal Towns' position in the ACA Office.

**MOTION:** From 2011 increase the Annual Meeting registration fee by \$50 for Regular members and proportionately for all other categories. (Koetzle/Wilmot Unanimous)

**MOTION:** \$15,000 in discretionary funds will be provided to the Program Chair (Chris Cahill) for the 2011 New Orleans ACA Annual Meeting for use as he sees fit to support speakers. (Hackert/Britten Unanimous)

**MOTION:** Raise the late abstract fee to \$150. (Von Dreele/Britten Unanimous)

**Agenda item 11: American Institute of Physics (Dylla)**

**MOTION:** The ACA will report the real membership numbers to the AIP, and have only one official representative at AIP (Flippen-Anderson). (Von Dreele/Wilmot Unanimous)

**ACTION:** Duax will find out how much bringing in AIP media people to cover the ACA Annual Meeting would cost.

**ACTION:** Kelly will charge the Communication Committee to look at the AIP "Inside Science News Service" web-site, and have them formulate a plan of how ACA can make maximum use of these resources.

**ACTION:** Britten to investigate and cost how AIP might be able to help with recording Transactions and Plenary lectures for the ACA web-site.

**ACTION:** Duax and Colquhoun will visit the Forum at the Optical Society Meeting in Rochester, NY in October, to see if this is something ACA might want to do at the Annual Meeting.

### **ACA Awards**

**ACTION:** Britten will put together a logistics proposal for making general Memorial Awards, and e-mail to Council.

### **ACA Summer Schools**

**ACTION:** Wilmot will e-mail SIG Chairs about their annual reports, lunch with Council, and to remind them to ask their membership at the SIG meeting for ideas for new summer schools and SIGs.

### **ACA Membership**

**ACTION:** Colquhoun will give Hackett a list of foreign attendees (including e-mail addresses) from Central and South America, and Hackett would try and meet with them.

### **Other Organizations**

**ACTION:** Colquhoun to place an announcement about the NAS Award in Chemical Sciences on the ACA web-site.

**MOTION:** The ACA supports the UN recognition of 2013 as the International Year of Crystallography (IYCr). (Koetzle/Wilmot. Unanimous)

### **Council matters arising on July 26<sup>th</sup>:**

**MOTION:** Establish a Robert Bau Award for Neutron Diffraction; a triennial award starting 2013 (Von Dreele/Santarsiero Unanimous)

### **Council matters arising on July 29<sup>th</sup>:**

**ACTION:** Colquhoun to add to the October Council Meeting agenda “Unusual workshops”

**Council meeting with RefleXions and Standing Committees**  
**July 29<sup>th</sup> 2010**

George Phillips observing.

**Continuing Education Committee (CEC, Peter Mueller)**

See annual report. Discussion related to items in the annual report.

2. High school teachers' workshop will be run again at the 2012 ACA Annual Meeting in Boston. Mueller as the 2012 Local Chair has approved this. CEC has received the workshop reports. CEC had strongly suggested to 2010 workshop organizers that they have a 2-tier registration price; students and others. However, none of the 2010 workshop organizers adopted this. Britten suggested that industrial registrants pay more. So perhaps a 3-tier registration fee should be adopted. Kelly stated that a 2- or 3-tier registration fee model could be included as part of the workshop guidelines. Britten stated that if a 3-tier registration structure is used, make it clear that government employees should get same rate as academics, not the higher industrial rate.

6. Currently there are 3 small molecule CEC members, and one macromolecular (Bill Furey). Furey will rotate off and be replaced with George Phillips, who is a macromolecular crystallographer. One of the main duties of CEC is to review student travel grant applications and workshops. The majority of these are macromolecular based. As the CEC has two members review each application, this is a problem. They suggest that CEC candidates are either all macromolecular or all small molecule/powder, and alternate this pattern from year to year. Council thought this was a good idea. The CEC requests that on the next ballot all CEC candidates come from the macromolecular community. Mueller requested that the CEC receive the list of students who received travel awards, along with the \$ amount.

9. Amy Sarjeant (Northwestern) has agreed to Chair the "Teaching Techniques" session between CEC and General SIG proposed for the 2011 New Orleans Meeting.

10. ACA Summer Schools. Mueller felt an application deadline of August 15<sup>th</sup> 2010 for a summer 2011 School was too short a time for organizing a brand new School, as final approval would not be expected until after the Fall Council Meeting. He suggests a September 1<sup>st</sup>, 2010 deadline for a 2012 Summer School. The deadline for submitting an ACA Summer School application is close, and so things need to get moving. Kelly told Mueller that Council suggests a Letter of Intent (LOI) be first submitted, and then the ACA Office and CEC could help potential organizers put together a realistic proposal. Mueller liked this idea, and would draw up guidelines for what should be in the LOI. Koetzle suggested that if organizers of an approved macromolecular crystallography Summer School believed they could put it together for summer 2011 they should be allowed to do so as the need was so great. Mueller pointed out it was a Spring Meeting in 2011, and Summer Schools are generally either the week before or the week following the ACA Annual Meeting. Wilmot suggested that Summer Schools not be tied to the ACA Annual Meeting, and so the Schools could be held later in the summer. Santarsiero explained that this was done so that international students could go to both the ACA Annual Meeting and the School on the same trip. Wilmot questioned whether many international students attended the Schools. Mueller stated that they did, however he agreed that the Schools did not necessarily need to be tied to the ACA Annual Meeting. It was pointed out that the ACA Annual Meeting was in the spring of

2011 because the IUCr Congress was in August 2011, so this might cause a problem with attendance at 2011 Summer Schools held in the summer. During the Annual Meeting four different groups had expressed an interest in putting a macromolecular crystallography Summer School proposal together; NE-CAT at the APS; Andy Howard and Jim Kaduk to be held at the APS; Ed Collins and the Pittsburgh Diffraction group; Allen Oliver (Notre Dame) and Amy Sarjeant (Northwestern) with the School alternating annually between the two Universities. The Schools are approved on a 4 year cycle, and the Charles Lake organized Small Molecule Crystallography ACA Summer School was entering its final year. Britten asked whether it was known if Lake was going to reapply. Although he has expressed an interest to CEC, he no longer has working equipment, which is a requirement for a Summer School. Mueller noted that student evaluations currently only go to CEC, and they should also be sent to the organizers. Council agreed this should be done. The CEC has not been receiving the Summer School annual reports. Colquhoun will send these from now on to the CEC. It was not clear to CEC how much financial support the ACA gave to Summer Schools. Mueller was told that there is \$12,000 a year budgeted, i.e. \$6,000 per Summer School. The USNCCr also needs to see and approve the Summer Schools, as it gives \$4,000 a year per Summer School. They meet next on October 31<sup>st</sup> 2010. Kelly stated that she would ask if they would approve Summer School applications electronically. Therefore each Summer School receives a total of \$10,000 support (based on two Summer Schools a year). Approved Schools receive four years of support.

**Communications Committee (Allen Olliver)**

See annual report. Discussion related to items in the annual report.

The Communications Committee (CC) had lost its Chair (Alice Vrelink) when her lab relocated to Australia. Allen Oliver (Acting Chair) had moved, and with Ross Angel being the 2010 Annual Meeting Program Chair, the CC broke down. None of the CC had been at the 2009 Toronto ACA Meeting to attend the lunch with Council, but they also had not responded to e-mails from the ACA Office. Olliver apologized for the situation, and the fact that the CC had failed in its duties to write press releases, and to explore setting up a press conference at the 2011 Annual Meeting due to the presence of three Nobel Laureates. Kelly stated that Council appreciated Olliver's candor, but a real opportunity had been missed to promote the ACA. Olliver stated that the CC would endeavor to meet the charge from Council to increase publicity at the Annual Meetings. Kelly stated that it would probably take the CC a few years to rebuild its momentum. Santarsiero told Olliver that short articles had been put together last minute for the American Institute of Physics (AIP) and Physics Today when the CC did not respond. Flippen-Anderson suggested that the Nominations Committee make it very clear to candidates what their duties would be if elected to serve on the CC. The following action point had resulted for the ACA Council meeting on Friday, July 23<sup>rd</sup>, 2010 (see Council meeting minutes for more details).

<b>ACTION:</b>	<b>Kelly will charge the Communication Committee to look at the AIP "Inside Science News Service" web-site, and have them formulate a plan of how ACA can make maximum use of these resources.</b>
----------------	--

Santarsiero stated that press releases needed to be on a specific piece of work, not on the Meeting as a whole, to attract attention. He stated that AIP will produce 3-5 public

outreach articles from the Meeting abstracts for between \$1,000 and \$2,000. He had also spoken to a Chicago based writer for Chemical & Engineering News (weekly magazine of the American Chemical Society for members) about what topics are of particular interest to the public at this time. The CC needed to look through abstracts from the submission deadline up to 1 month before the meeting to identify research that potentially would be of interest to the press and public. Duax stated that Council were thinking of requiring that attendees submitting abstracts include one sentence about the importance of their research and/or keywords which would help CC, SIGs and Session Chairs in assessing abstracts. Britten stated that local universities at the Meeting site all had science writers on staff and perhaps these could be pursued to become involved. Nowadays most science writers are free-lance, so using local writers might be an option. Council also wanted the CC to explore social networking, such as Facebook and Linked-In. It was suggested that the CC work with the Young Scientists SIG on this. Olliver stated that he had not received an e-mail Kelly had sent about this. Kelly stated she would resend. Olliver will liase with Flippen-Anderson to find out what AIP could do to raise the profile of the ACA.

### **Data, Standards and Computing Committee (Winnie Wong-Ng)**

See annual report. Discussion related to items in the annual report.

The DS&C had revised their mission statement. Council felt it fit with where their focus should be. Kelly stated this did not involve changing the by-laws, so was easy to do. (1) DS&C are working with CEC to organize special sessions or workshops in the area of their mission. In the 2011 ACA Annual Meeting they would like to organize a special session on small molecule and macromolecule CIF in collaboration with the Small Molecule SIG. In 2012 they are considering putting together a workshop on crystallographic databases. Kelly stated that the ACA was reaching out to ICDD, so this would be a great idea. The popular session "Would you publish this?" could also be linked to the Committee.

There is currently a lot of interest in validation of submitted structures to databases. Kelly suggested this was an area DS&C could become involved in. The Committee was asked by Council to look at the editorial guidelines for journals that publish papers containing crystal structures, and to draw up suggested guidelines to give to Editors. Some journals ask to examine the PDB validation report before publishing manuscripts containing macromolecular structures, but some are reluctant. Von Dreele stated that there were no real validation tools outside of the macromolecular area except for Tom Spek's PLATON. He emphasized that there needs to be financial support for writing validation software. He suggested that perhaps journals could be persuaded to put money into the writing of free validation software, and to keep this updated. DS&C guidelines to Editors should require validation reports. Currently only Acta Crystallogr. and some chemical journals require this. Could the referees check CIFs? This would place an additional burden onto the referees.

Britten stated that standards for writing out detector data files were absent for the 2-D powder and macromolecular crystallography detectors, which caused problems for software developers. Wilmot stated that Global Phasing was having problems working out where the origin is located on detector faces, as this is non-standard.

(3) Cora Lind had suggested that the Committee could foster interactions between database producers to enable better accessibility. Britten stated that some libraries have problems with getting licenses for databases as they cannot agree to some of the license stipulations. The Cambridge Database has requirements that are specific to

Britain. Flippen-Anderson stated that she had spoken to Colin Groom (Director of the Cambridge Database) and he is aware of the problem and the agreement is going to change to make the licensing requirements suitable for international distribution.

(4) Support and maintenance of CCP14 for powder and small molecule crystallography has become a problem due to receding support from the British Government. Von Dreele stated that CCP14 gives open-access to his software, and the DS&C suggestion of bringing in profit-making database and manufacturing companies may break agreements between software writers and CCP14. Wong-Ng wanted to add a request for funding to the ACA annual membership form akin to the request for contributions to award funds. Phillips felt this was not appropriate, nor was having the ACA act as a place to gather together freely available codes. Von Dreele pointed out that only the original code author can make robust changes and upgrades. Koetzle stated that this would only be a temporary solution, and the root problem would not go away. Santarsiero and Koetzle suggested organizing a workshop between major software developers, which would highlight the issue and hopefully get funding agencies on board. Britten suggested making CCP14 maintenance an official concern of the ACA. Wong-Ng wanted the ACA to give \$40,000 towards hiring a postdoc to maintain software (estimated to be ~\$60,000 with benefits). Von Dreele stated that when the money ran out for the postdoc, the community was back to square one. Phillips stated that there is a need for collaboration like CCP, so liked the idea of holding a workshop. Von Dreele will work with the DS&C to find mechanisms in which the ACA could facilitate and highlight the need to support software development and maintenance, with an emphasis on the powder and small molecule crystallography community.

### **RefleXions (Connie Rajnak and Judy Flippen-Anderson)**

RefleXions has launched a new feature in which an ACA member is asked to write an editorial (Wilmot had done the first). Koetzle has agreed to write an editorial on neutron diffraction and to introduce the new Robert Bau Award; a triennial award for important contributions in neutron diffraction. The Editors were thinking about finding an Opinion Editor who could focus on wider issues in society that impacted the ACA, such as climate change and teaching of evolution. Flippen-Anderson had been already “testing the water” by writing articles in these areas. She and Rajnak stated that their current line-up of writers are good with deadlines, e.g. Joe Ferrara as Book Editor, so diversifying the contributors was working well. Britten was strongly encouraged to provide more Canadian news.