

AGENDA
DFD Executive Committee Dinner Meeting
November 20th, 2004
Grand Crescent Room, Westin Hotel (4th Floor)
6:30 – 9:30 pm

Decisions:

- Local meeting organizers should decide on Minisymposia and get approval from executive committee. Limit of four mini-symposia per DFD meeting.
- The 2007 DFD meeting will be held in Salt Lake City.
- Approved payment of registration fees for invited speakers at DFD-sponsored and co-sponsored sessions at the APS March Meeting. .
- Reaffirmed approval of \$10,000 for the design of a fluid dynamics poster.

Further action required:

- Pursue interaction with Japan Physical Society.
- Evaluate the success of our newly implemented plan of raising the registration fee of non-members and using the increase to pay for a one-year membership in APS/DFD.
- Continue to discuss the idea of having Saturday night receptions at the DFD meetings. (No registration fee increase, cash bar.).
- Jerry Gollub will contact San Antonio group to discuss holding 2008 or 2009 DFD meeting there.
- DFD By-Laws to be examined by Jerry Gollub and Jim Duncan in an effort to keep them consistent with current Division practice.
- Implementation of 2003 Visibility Committee's recommendations (see below).
- This year's Acrivos Award committee is tasked with implementation of the remainder of the 2003 Acrivos Award Committee's recommendations and finalizing eligibility and submission dates. See details below.

Meeting Minutes:

- Jim Wallace welcomed committee members and mentioned highlights of past year.
- Introductions of new Executive Committee members:
 - Vice chair: Steve Pope
 - Members at large: Werner Dahm, Sandra Troian
- Report on Seattle Meeting (Jim Riley & Monica Malouf).
 - Expecting 1300 people at meeting.
 - 1150 abstracts.
 - 20% of meeting participants are from other countries.
 - Meeting income of \$290,000 up to this point in time. More income expected. Original projected income was \$300,000.
- Update on 2005 Chicago meeting (Rich Lueptow & Hassan Nagib).
 - Meeting will take place at the Chicago Hilton.
 - The hotel is in an upscale location. Nearby public transportation. Close to museums. Many nearby of restaurants.

- Room rates not fixed yet, but likely to be \$137-145.
 - 14 meeting rooms planned. 3 more on reserve.
 - Meeting rooms on four floors with a maximum 2-minute transit time between rooms. To help us travel quickly between meeting rooms, 14 elevators will be programmed as locals for us.
 - Reception at Field Museum of Natural History. The reception will be in a big open room like the National Building Museum that was used for the reception at the Washington DC meeting. The Field Museum is within walking distance of the hotel.
 - The conference website, www.dfd2005.northwestern.edu, is up and running.
 - Assuming 1100 people attending the meeting and the current registration fee of \$290, a deficit of \$33,574 is projected for the meeting.
 - Recent history of registration fees (Member, Non-Member, Student (Early/Late)):
 - Seattle: \$290/\$350 \$505/\$555, \$140/\$170
 - New Jersey: \$270/\$330, \$385/\$435, \$120/\$150
 - Dallas 2002: \$270/\$330, \$385/\$435, \$120/\$150
- 2006 Meeting in Tampa, Florida. (Jim Wallace reporting for Tony Ladd (organizer)).
 - Report is attached below.
 - Local organizing committee has been formed.
 - Monica Malouf has done site visit.
 - Marriott Hotel in Tampa selected.
 - \$119 for single.
 - 17 parallel sessions.
 - All meeting rooms hold at least 90 people.
 - Contract signed with the hotel.
 - Sunday night reception in hotel.
 - Possibility of a reception on Saturday night was discussed.
- Proposal for 2007 meeting in Salt Lake City. Jim Wallace reporting for Pat McMurtry & Joe Klewicki (organizers).
 - Report attached below.
 - Phil Marcus from Berkeley has also expressed interest; however, the Executive Committee agreed during the Fall Teleconference that if the Salt-Lake-City offer was reasonable, we would take it.
 - Meeting at Salt Palace Convention Center: 20 meeting rooms, capacities 80 to 400.
 - Several excellent hotels are directly across the street from the convention center. Bids ranging from \$95.00 to \$139.00 per night (does not include taxes).
 - The reception at Rice/Eccles Stadium
 - Committee agreed to hold the 2007 meeting at Salt Lake City.
- San Antonio has offered to host the 2008 or 2009 meeting. Jerry Gollub will contact them.
- Mini-symposia discussed.
 - These are 26 minute time slots including talk, questions, and between-talks travel time.

- Maximum number of mini-symposia discussed.
 - In recent years, we have had from 0 to 5 per meeting.
- Agreed that local organizers should decide on Minisymposia and get approval from executive committee.
- Decided to limit the number of mini-symposia to four per meeting.
- Treasurer's report (Jim Duncan)
 - The following data is from APS budgets dated 10/31/04.
 - 2003 Meeting in New Jersey resulted in a loss of \$20,536.
 - Monica Malouf pointed out in an email to the Exec. Comm. that a deficit of \$18,000 to \$20,000 was expected from the beginning.
 - Total funds in Acrivos Award Accounts are sufficient to obtain funds for the award and expenses from interest.
 - Total funds in Fluid Dynamics Prize and Otto Laporte accounts are sufficient to obtain funds for the award and expenses from interest.
 - Total funds in DFD operating account (excludes award accounts): \$518,432.73
 - Includes most of the income from the 2004 DFD Meeting but little of the expenses.
 - After the meeting account clears, we should have approximately \$250,000. (The American Physical Society recommends that each division's operating account have a balance equal to the typical of cost of one its Annual Meetings. Since the expenses for the DFD meetings are typically about \$300,000, our account balance is within the DFD guidelines.)
- Discussion of financial support for DFD-sponsored invited speakers to APS March Meetings (Jerry Gollub). A report by Jerry Gollub is attached.
 - It was pointed out that invited DFD speakers at the March Meeting are important for DFD visibility within APS.
 - Also, it was pointed out that we provide registration fees and complimentary hotel rooms for DFD speakers at DFD meetings.
 - In our Fall Teleconference, we agreed that we would pay registration fees for our invited speakers at the March Meeting.
 - Jerry proposed that we continue to pay registration fees in future years for invited speakers at 1 symposium, and 1 focus session. Cost: \$2,100 - \$2,800.
 - Jerry also proposed that we cost-share registration fees for invited speakers in co-sponsored sessions who are from abroad or who would not normally be expected to attend the March Meeting. Jerry proposed that the Program Chair be allowed \$1,000 for this purpose (in 2005 and future years), to be allocated at his/her discretion.
 - The Executive Committee approved the above expenditures.
- Update on the Fluid Dynamics poster project (Howard Stone, Gary Leal, and Tim Wei)
 - Present plan is for DFD to have a poster designed and for the poster to be distributed by the Franklin Institute of Philadelphia, PA.
 - There was a discussion about the goals of this project. Some Executive Committee members did not think the goals were clear or disagreed with the goals.
 - After the discussion, the Executive Committee reaffirmed approval of \$10,000 for the design of the poster.

- Proposed changes to the DFD By-Laws (Jim Wallace and Jim Duncan)
 - It was pointed out that the By-Laws do not reflect current DFD practice in several respects.
 - Jim and Jim have begun modifying the By-Laws but work is not finished.
 - There was insufficient time at the Executive Committee Meeting to have a discussion so this topic was postponed to the 2005. Jerry agreed to look at required changes and submit them to Ex comm..

- Discussion of implementation of the 2003 Visibility Committee's recommendations, *see attached document* (Harry Swinney).
 - The committees recommendations were:
 - A permanent new DFD committee, perhaps to be called the "Media Committee", should be established with the responsibility of enhancing the visibility of fluid dynamics research developments and activities.
 - The DFD External Affairs Committee should be charged with the responsibility for developing relations between the DFD and other scientific organizations with a principal or major interest in fluid dynamics.
 - The DFD should establish an "Education Committee" charged with working with other fluid dynamics societies and with funding agencies (NSF, NASA, DOE, ONR, AFOSR, ARO, etc.) to develop curricula and programs for education and training in fluid dynamics.
 - Some of the tasks from these recommendations were assigned to the Publications and External Affairs Committees, but additional work needs to be done.

- Discussion of implementation of the 2003 Acrivos Dissertation Award Committee's recommendations (Sandra Troian).
 - The Acrivos Award committee's recommendations were (See separate .pdf file for the committee's report):
 - Create and distribute a flyer to advertise the DFD and the awards that it bestows on students and researchers.
 - Return to the Executive Committee complete files of Acrivos Award candidates who did not win so that eligible candidates can be automatically reevaluated in the following year.
 - The winners of the Acrivos Award and the Frenkiel Award should be granted the opportunity to give 20-30 minute talks at the DFD meeting.
 - The Executive Committee should compile a data base containing the number of graduate students, faculty and departments in US working in fluid dynamics and related fields.
 - Methods of getting even more applicants were discussed.
 - Present method is to send email to membership asking people to nominate students.
 - In 2003 there were only 4 applicants. This year there were 7 or 8.
 - Rules on when thesis must be approved for eligibility in a given award year were discussed as was a change to the deadline for applications.
 - In 2004 some of the recommendations of the 2003 report were implemented but additional work needs to be done.

- Talks given by Acrivos and Frenkiel award winners.
 - This year's Acrivos Award committee is tasked with implementation of the remainder of the 2003 Acrivos Award Committee's recommendations and finalizing eligibility and submission dates.
- Report from Division Councilor (Harry Swinney).
 - Problems with visas for foreigners attending scientific meetings in the USA
 - Last year, 40% of visa applications were taking more than one month.
 - APS and other scientific organizations complained.
 - Now, only 2% of visa applications are taking more than one month.
 - There is a website to help potential visitors if they are having a problem obtaining a visa.
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- Adjourn

To: DFD Executive Committee

Re: **DFD participation in the March Meeting – Financial Support**

From: Jerry Gollub, Program Chair and Chair-Elect

Date: November 14, 2004

As you can see from the memo describing our participation in the March 2005 APS meeting, our involvement is significant, as it was in 2004. This is the largest APS meeting, and it is certainly desirable that DFD be represented.

However, we need to face the fact that most of our invited speakers would not normally attend this meeting, and it can be a significant financial burden to do so.

We have agreed on an interim basis to pay the registration fees of invited speakers who agree to participate in DFD sponsored symposia or focus sessions.

1. I would like to propose that we continue to pay registration fees in future years for 1 symposium, and 1 focus session. This would typically be 7 speakers total, and the registration fee this year is \$300 for APS members registering early. For non-members and those registering late, it would be somewhat higher. The total cost would be roughly \$2,100 - \$2,800 (depending on the number of non-members).

For the DFD meeting, we waive registration fees for invited speakers, and also provide reduced-cost lodging. So what is proposed here for the March Meeting is less generous than what we do for the DFD meeting, but this seems appropriate to me.

2. We are co-sponsoring a number of sessions with other groups: Division of Biological Physics, Division of Polymer Physics, and the Group on Nonlinear and Statistical Physics. We have a request to cost share from DPP; the others have not asked. I would suggest that we cost-share registration fees for speakers in co-sponsored sessions who are from Abroad or who could not normally be expected to attend the meeting (e.g. those who are not

appointed to physics departments). I suggest that the Program Chair be allowed \$1,000 for this purpose (in 2005 and future years), to be allocated at his/her discretion.

3. The program chair should report annually to the executive committee concerning the March program and any costs incurred.

Report of the
APS DFD Ad Hoc Committee to Enhance Visibility of Fluid Dynamics

11 November 2003

Committee members: Andreas Acrivos, Paul Dimotakis, Daniel Lathrop, Philip Marcus, James McWilliams, James J. Riley, Sandra Troian, Katepalli Sreenivasan, Harry Swinney (chair)

The Ad Hoc committee makes the following prioritized recommendations in the areas of media relations, external affairs, and fluid dynamics education:

1. A permanent new DFD committee, perhaps to be called the "Media Committee", should be established with the responsibility of enhancing the visibility of fluid dynamics research developments and activities. The target audience would include the general public as well as scientists and engineers. The committee would organize Press Conferences at each DFD annual meeting. For such a press conference to be successful it will be important to hire a professional Press Consultant. Invitations could be issued to local science writers and to the national media, including, for example, the New York Times, Scientific American, Science News, Physics Today, NPR, PBS, etc. The Gallery of Fluid Motion can provide videos and still photos that will be of broad interest.

The Media Committee (or the Publications Committee) should be specifically charged with the responsibility of interacting with journals such as the Journal of Fluid Mechanics and Physics of Fluids to issue press releases throughout the year on articles in fluid dynamics of broad interest. Models for such an activity are Physical Review Focus (<http://focus.aps.org/>), Physics News Update (<http://www.aip.org/physnews/update/>), Inside Science News (<http://www.aip.org/isns/>), eFluids (http://www.efluids.com/efluids/pages/news_archive.htm), and the press releases of Science, Nature, and the Proceedings of the National Academy of Sciences.

The Publications Committee has already undertaken some activities designed to enhance the visibility of fluid dynamics, such as the proposed poster project, which should be encouraged and supported. The Publications and Media Committees should each have a representative on the other committee to coordinate activities and avoid duplication.

2. The DFD External Affairs Committee should be charged with the responsibility for developing relations between the DFD and other scientific organizations with a principal or major interest in fluid dynamics. The Committee should seek to develop joint activities such as symposia at meetings of the DFD and sister societies, joint sponsorship of meetings and workshops, and joint sponsorship of educational programs such as summer schools in fluid dynamics. Some members of the External Affairs Committee should reside outside of the US, particularly in Europe where there is extensive activity in fluid dynamics, and some committee members should be chosen because of their involvement with fluid dynamics activities in other organizations such as AIChE, AIAA, ASME, ASCE, AGU, EGS, Euromech, EPS, and IUTAM, and in other

divisions of the APS, including the Divisions of Astrophysics, Biological Physics, Condensed Matter Physics, Plasma Physics, and Polymer Physics, and the APS Topical Group on Statistical and Nonlinear Physics (GSNP) [DFD has already joined the GSNP in sponsoring programs at the March APS meeting].

3. The DFD should establish an "Education Committee" charged with working with other fluid dynamics societies and with funding agencies (NSF, NASA, DOE, ONR, AFOSR, ARO, etc.) to develop curricula and programs for education and training in fluid dynamics. Although fluid dynamics is a crucial component of many fields, it is an academic orphan – the subject is taught in many departments, but there are no departments of fluid dynamics and there is no coherent fluid dynamics curriculum that offers courses appropriate for students from engineering, astrophysics, oceanography, atmospheric science, applied mathematics, physics, geophysics, ecology, etc.