

**ANS Fusion Energy Division**  
**Executive Committee Meeting Minutes**  
Sunday, June 4, 2006, 3:00 – 5:00 pm PDT  
Reno Hilton Hotel, Nevada 3 Room  
Reno, Nevada

1. Call to order

Dr. Said Abdel-Khalik called the meeting to order at 3:06 pm. The meeting agenda is included as Attachment A. Members in attendance included Said Abdel-Khalik, Jeff Latkowski, Lee Cadwallader, and Ken Schultz. Members joining via conference call were Roger Stoller, Jake Blanchard, and Farrokh Najmabadi. Susana Reyes (incoming vice-chair) and Laila-El-Guebaly (newsletter editor) joined via the conference call. Members not attending: Gianfranco Federici, Neil Morley, Akio Sagara, Phil Sharpe, Paul Wilson, and Minami Yoda.

Others in attendance included Mark Anderson (incoming committee member), and Nermin Uckan (editor, Fusion Science and Technology journal). Students in attendance included Rian Bahran of Rensselaer Polytechnic Institute, Tony Elliot (Oregon State University, co-chair of the 2007 student conference), and Konrad Kulesza from OSU.

2. November 2005 ExecComm meeting minutes

The meeting minutes were previously approved via e-mail and were submitted to ANS Headquarters in December 2005. The minutes are available at the ANS FED website.

3. Treasurer's Report

Lee Cadwallader gave a brief overview of the 2006 budget. The March 2006 Division Statement that was delivered from ANS on May 23 indicated that no funds have been spent thus far in 2006 and the balance is \$20,201. The FED 2006 member allocation income was \$764; although there is a TOFE meeting this year, no income will be received from TOFE profits until 2007. Expenses should be \$6,100 in 2006. The treasurer's report is included as Attachment B. The treasurer's report was unanimously approved by a voice vote.

4.1 Report from 2006 ANS Student Conference

Rian Bahran from Rensselaer Polytechnic Institute reported that the 2006 Student Conference, "Nuclear Power: A Look at the Future," held on March 30-April 1, was very well attended, with over 350 students and professors attending. Twenty-six organizations were represented at the career booths. Admiral Frank L. "Skip" Bowman (USN retired), President of the Nuclear Energy Institute since early 2005, addressed the conference, and US NRC Commissioner Dr. Gregory B. Jaczko also spoke to the conference.

Unfortunately, there was no fusion session at the student conference, so there was no Best Paper Award for a fusion topic. Mr. Bahran wanted to confirm that the FED had

contributed to the 2006 Student Conference. The FED had contributed to the 2006 Student Conference in the Fall of 2005. The \$500 contribution check that RPI received was not marked as coming from the FED, so that was a source of confusion to Mr. Kollath-Romano, the Treasurer of the conference.

#### 4.2 Discussion of the 2007 Student Conference

Mr. Tony Elliot from Oregon State University addressed the FED to announce that OSU will be hosting the 2007 Student Conference, with the theme “Nuclear Technology Around the World: Solving Tomorrow’s Problems, Today”. The conference will be held on March 29-31, 2007 in Corvallis, Oregon. Mr. Elliot asked for our support in the form of company displays for the career booths, and for professionals to attend the meeting to act as paper judges, and to meet and interact with student attendees. Financial contributions are also welcome to support the Student Conference. The Student Conference can be reached by e-mail at [ANS2007@gmail.com](mailto:ANS2007@gmail.com), or at the web site <http://groups.engr.oregonstate.edu/ans>. The Student Conference prospectus brochure is available for download from the web site.

After the students had left the meeting, a motion was made to contribute \$500 to the 2007 Student Conference, as had been done for the 2006 Student Conference. The motion was seconded and unanimously approved by voice vote. Lee Cadwallader will issue the disbursement to ANS Headquarters with an admonishment to include FED on the check sent to OSU.

#### 4.3 Proposal to Enhance the Student Award

Lee Cadwallader suggested that the Student Award from the TOFE meeting include a one-year subscription to Fusion Science and Technology, which is \$150.00 cost for both a print version and electronic access for the year. The idea was to plant a seed that the student would see that our journal is very worthwhile. In the discussion that followed, it was pointed out that students would likely have access to Fusion Science and Technology already through their university libraries. Said Abdel-Khalik asked if Nermin Uckan would donate a subscription to the winning student. She replied that the journal was already waiving publication costs for the winning paper and for any other publications the student wished to submit during the year; with such generosity she was not willing to extend a subscription offer as well. With the costs of the Student Award already being high, this suggestion was not acted upon.

#### 5.1 Report on FED Newsletter

Laila El-Guebaly reported that the upcoming edition of the FED newsletter was coming along quite well; she only needed input from Dr. Najmabadi on the FED Awards and the outcome of the Student Award proposal to the ANS Honors and Awards committee.

## 5.2 FS&T Update

Nermin Uckan discussed that from May 2005 to April 30, 2006, there were 388 manuscripts published, and the numbers were roughly equally divided between the geographic regions. Several transactions were published, including the Carolus Magnus school transactions. The National Ignition Facility (NIF) assigned a guest editor to FS&T, Dr. Camille Bibeau, who will support the upcoming NIF Special Issue. There were a few library subscription increases in 2005, the count is now up to 129 and the journal is making modest profit. Some notable US fusion institution libraries dropped FS&T, so please renew your library's subscription. A detailed report on the journal is included as Attachment C, and plots of subscription counts are in Attachment D.

## 6.1 Update on the 17<sup>th</sup> TOFE

Laila El-Guebaly spoke on behalf of the TOFE Organizing Committee. The committee received a few dozen abstracts to date and they were considering a new, later abstract submittal date. Laila volunteered to communicate with the TOFE organizers that typically 75% of the abstracts are submitted throughout the day of the due date, which in this case is Friday, June 9<sup>th</sup>.

## 6.2 Discussion about 18<sup>th</sup> TOFE

Jake Blanchard wanted to remind the FED that preparations must begin soon for the FED to solicit proposals to host the 18<sup>th</sup> TOFE. Often the next TOFE meeting is announced at the present TOFE, and the 17<sup>th</sup> TOFE will be held on November 13-15, 2006. By informal tradition, the 18<sup>th</sup> TOFE should be a stand-alone meeting. Said Abdel-Khalik stated that an announcement to invite local ANS sections to express their interest in hosting the 18<sup>th</sup> TOFE would be drafted and sent to Laila El-Guebaly for inclusion in the FED newsletter. Laila will include this information in the newsletter.

Susana Reyes stated that the Northern California (NorCal) section of ANS has a potential interest in hosting the next TOFE. Jeff Latkowski added that the scientific work at NIF would progress through 2008 and that the fall of 2008 would be a good time for visitors to tour the NIF, so perhaps LLNL would also have interest in co-hosting the TOFE with the NorCal section.

## 7. FED Election Results

Jake Blanchard announced the election results for the FED Executive Committee. Susana Reyes was elected to the position of Vice Chair. Mark Anderson, Brad Nelson, and Brian Wirth were elected to the Executive Committee for 3-year terms. Jake gave his thanks and the FED ExecComm's thanks to those who ran for positions and also those departing members for their service on the FED.

## 8. Discussion of ANS NPC Meeting Room Planning

Jake Blanchard informed the FED that the ANS National Program Committee is investigating moving all governance meetings to Sunday instead of the present Monday through Thursday meeting times. The governance meetings require use of many conference rooms throughout the national meeting week, and hotels are hard-pressed to provide these side meeting rooms and the large conference rooms needed for ANS sessions. And, meeting rooms are costly to rent, so consolidation would conserve funds. It is unclear at this time what the changes will mean to the FED.

Said Abdel-Khalik commented that the Division Governance Committee wishes to reduce meeting time durations. The FED is roughly 3.2% of ANS membership, and our number of meetings per year and meeting time durations are acceptable to the Division Governance Committee. In the end, the Division Governance Committee may move our FED meeting time to earlier on Sunday, either morning or earlier in the afternoon.

## 9. Student Awards Proposal to Honors & Awards Committee

Farrokh Najmabadi stated that a proposal to make the ANS FED/TOFE Student Award an ANS award instead of a conference award has been sent to the ANS Honors & Awards Committee. He has not heard back about the proposal, he expects that the committee is meeting during the Reno summer meeting this week. Farrokh did not think this proposal presented any problems or difficulties to the committee. Farrokh will give a writeup to Laila El-Guebaly for publication in the newsletter when he hears back from the committee.

The issue of the financial award to the student was raised. The FED budget has funding for three \$500 awards; an accomplishment award, an outstanding achievement award, and a best student paper award. The student has, in the past, also received some travel reimbursement and TOFE registration fee reimbursement. Nermin Uckan pointed out that a stand-alone TOFE has control of their own budget and can waive the registration fee and reimburse travel expenses for the winning student, but an embedded TOFE has strict budget rules and cannot make those accommodations for the winning student. Said Abdel-Khalik stated that the FED has been generous in its support for student travel costs (the 2006 FED budget has \$500/student set aside for five students; the TOFE organizers and the FED executive committee work together to select the five most deserving students), and the monetary award is also generous. The general consensus is to first obtain ANS Honors & Awards Committee approval of making the Student Award an ANS award, and then amending the Student Award later to include reimbursement of the TOFE registration fee for the winning student. Having the stand-alone TOFE pay for the student award is advantageous to the FED, when that is possible.

Farrokh Najmabadi stated that he has been working on a description to formalize the documents and processes for the professional awards. As it stands now, he can receive anything from a casual e-mail message to a descriptive packet that includes letters of recommendation. The executive committee will receive the description electronically,

and it will also be described in the coming FED newsletter. The basic idea is three separate letters of reference (as opposed to one letter signed by three or more people), a curriculum vitae, a description of why the person has been nominated, and the wording of the award citation to be placed on the award plaque – so that the committee does not have to guess at proper wording. Said Abdel-Khalik stated that this documentation of what is required to submit a candidate for an FED award will level the playing field, and it is a good idea to put a description in the newsletter and post it on the FED website.

#### 10. Representative to the ANS Public Policy Committee

Said Abdel-Khalik announced that Bill Hogan has retired from LLNL in January of this year. Bill has been the FED representative on the Public Policy Committee for several years, but that he no longer wished to serve in that capacity in his retirement. Said had discussed an idea with the executive committee officers, and proposed that the outgoing FED chair serve a one-year term on the Public Policy Committee along with the other duties of outgoing chair, with Said being the first to serve and replace Bill Hogan. Ken Schultz agreed that it was a good idea. Roger Stoller suggested that it was a good idea but that the committee might believe there was a loss of continuity in a 1-year term. Said admitted that there might be a term duration rule he was unaware of, but if the FED agreed, he would inform Larry Foulke of the Public Policy Committee of our proposed replacement for Bill Hogan. The committee voted and unanimously approved this idea.

#### 11. Fellow Nominations

Said Abdel-Khalik discussed that the FED has been soliciting Fellows, and that there is a watch list of several Fellow Candidates within the FED. Two applications from the top of the candidate list had been sent to the ANS Honors & Awards Committee, but these were not approved. Said will meet with committee representatives this week to learn why the applications were not approved, and to find out what enhancements are needed to gain committee approval. Said will monitor this issue, and the applications will be resubmitted when more is known. Other candidates are accruing time as ANS members before submittal; some candidates need the recommendation letters and application packages written. It was noted that Dr. D. Ruzic from the University of Illinois was the most recent FED member elevated to Fellow status in 2005.

#### 12. Summary of FED decisions made on-line since last meeting

Said Abdel-Khalik stated that after the November 2005 meeting minutes were approved, there have been no decisions made on-line.

#### 13. Other Business

Jeff Latkowski thanked Said Abdel-Khalik for his leadership during Said's term as Chair, and he thanked the outgoing committee members for their service to the FED. Said and Jeff welcomed the new members who are beginning their terms of office. The meeting was adjourned at 4:20 pm.

**ANS Fusion Energy Division**  
**Executive Committee Meeting Agenda**  
Sunday, June 4, 2006, 3:00 – 5:00 pm PDT  
Reno Hilton Hotel, Nevada 3 Room  
Reno, Nevada

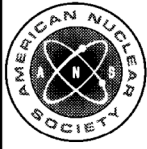
1. Call to Order – S. Abdel-Khalik
2. November 2005 FED Exec Comm meeting minutes approval – L. Cadwallader
3. Treasurer’s Report – L. Cadwallader
4. Student-related Items:
  - 4.1 Report from 2006 ANS Student Conference – RPI student representative
  - 4.2 Discussion of 2007 ANS Student Conference – T. Elliot
  - 4.3 Proposal to enhance FED Student Award – L. Cadwallader
5. FED Publications:
  - 5.1 Report on FED Newsletter – L. El-Guebaly
  - 5.2 FS&T Update – N. Uckan
6. TOFE Conferences:
  - 6.1 Update on 17<sup>th</sup> TOFE – TOFE representative
  - 6.2 Discussion about 18<sup>th</sup> TOFE – J. Blanchard
7. FED Election Results – J. Blanchard
8. Discussion of ANS NPC meeting room planning – J. Blanchard
9. Student Awards Proposal to Honors & Awards Committee – F. Najmabadi
10. Representative to the ANS Public Policy Committee – S. Abdel-Khalik
11. Fellow Nominations – S. Abdel-Khalik
12. Summary of FED decisions made on-line since last meeting – S. Abdel-Khalik
13. Other Business
14. Adjournment

Treasurer's Report, Lee Cadwallader, Idaho National Laboratory, Idaho Falls, ID.

As of the end of December 2005, our division had a balance of \$19,437. Our income in 2005 was \$767 in membership dues and \$8,999 from the September 2004 16<sup>th</sup> ANS Topical Meeting on the Technology of Fusion Energy (TOFE). Expenses in 2005 included \$537 costs in conducting division meetings at the ANS national meetings, a \$500 contribution to the 2006 ANS student conference that took place at Rensselaer Polytechnic Institute on March 30-April 1, 2006, and a \$500 contribution to the Landis Challenge in June 2005.

Expenses thus far in 2006 have been zero dollars. Our 2006 member allocation income was \$764.00. Our current funds on hand are \$20,201.00.

Our projected expenses for 2006 are \$6,100. The expenses include \$2,000 for awards (3@\$500) and plaques (~\$500), \$600 for conducting division meetings at ANS National Meetings, \$2,500 (5@\$500) to support student travel to the 17<sup>th</sup> TOFE in November 2006, a \$500 contribution to the ANS Nuclear Engineering Education for the Disadvantaged (NEED) Scholarship fund, and \$500 for other miscellaneous expenses. Our projected balance at the end of 2006 is \$14,101.



May 2006

To: Dimitrios Cokinos, Chair, ANS Technical Journals Committee

From: Nermin A. Uckan, Editor, *Fusion Science and Technology*

Subject: Editor's Report for the Period May 1, 2005 to April 30, 2006

**FUSION SCIENCE AND TECHNOLOGY**

A Publication of the  
American Nuclear Society

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The following is a summary of paper statistics and editorial activities for *Fusion Science and Technology*, submitted jointly by the Editor and the Associate Editors for Asia and Europe.

During the period May 1, 2005 to April 30, 2006, we have received 134 regular manuscripts and 254 camera-ready submissions; total of 388. Of the 388 papers, 129 are from North America, 109 from Asia, 147 from Europe (including Russia), and 3 from Others.

Of the 388 manuscripts, 314 have been accepted/scheduled, 22 are under review/revision, and 52 have been rejected/withdrawn. Papers rejected/withdrawn from pre-review/pre-selection of papers from some of the special issues/conferences are not included in our paper counts.

During this period we have also received 48 papers/lecture notes from the 7<sup>th</sup> Carolus Magnus Summer School (CMSS05), published in *FS&T Transactions* (Feb 2006). CMSS05 papers are not included in our paper counts.

FS&T issues for the next 18 months [May 2006 to October 2007] are assigned and/or committed.

Following special (dedicated) issues have been published during the period 5/1/05 to 4/30/06:

- TOFE04 Proceedings: Part 2 – FS&T camera-ready, May 2005 (81 papers)
- 7<sup>th</sup> Tritium Sci. and Technol. Proc. – FS&T camera-ready, July/August 2005 (172 papers)
- DIII-D Tokamak (GA, San Diego) – FS&T regular issue, October 2005 (35 papers)
- JFT-2M Tokamak (JAEA-Naka, Japan) – FS&T regular issue, February 2006 (10 papers)
- 7<sup>th</sup> Carolus Magnus Summer School – FS&T Transactions, February 2006 (48 lectures)
- Fast Ignition (US, EU, JA) – FS&T regular issue, April 2006 (20 papers)
- Following special (dedicated) issues are being published or planned for the remainder of 2006 and 2007:
  - Selected papers from 16<sup>th</sup> IFE Target Fab. – FS&T camera ready, May 2006 (49 papers)
  - Selected papers from 15<sup>th</sup> IEA Stellarator (Parts 1,2,3) – FS&T regular issues, Aug06-Jan07
  - NCSX Stellarator (PPPL) – FS&T regular issue, February 2007 (7 selected papers from old special issue that was on hold for the past 3 years – papers are



redone/resubmitted/rereviewed)

- Open Systems 2006 – FS&T Transactions, February 2007
- Alcator C-Mod Tokamak (MIT) – FS&T regular issue (14 papers: pub early-2007)
- TOFE06 Proceedings (Parts 1 & 2) – FS&T camera-ready, July & August 2007 (papers due)
- MFE Diagnostics (EU, JA, RF, US) – FS&T regular issue (12 papers: pub mid/late-2007)
- JET Tokamak (Culham, England) – FS&T regular issue (papers due late 2006)

Following special/dedicated issues are in the planning stages:

- NIF (LLNL) – FS&T regular issue
- IFMIF (EU, JA, US) – FS&T regular issue
- DEMO Studies (EU,JA) – FS&T regular issue
- Test Blankets (EU, JA, RF, US) – FS&T regular issue (papers due 2007)
- ARIES Compact Stellarator Reactor Study – under discussions for 2007/2008
- KSTAR (Korea) – under discussions for late 2007/2008
- W7-X (Germany) – under discussions for late 2007/2008
- Tritium07 – under discussions for 2008
- 16<sup>th</sup> IEA Stellarator (2007) – under discussions for 2008

Summary of paper statistics during this and previous periods are summarized in below tables and attached charts.

FS&T Manuscripts in Progress 05/01 – thru – 04/30					
Year	Total Ms Received	North America	Asia	Europe	Others*
2005/06	388	129	109	147	3
2004/05	314	211	65	36	2
2003/04	250	93	52	64	41*
2002/03	140	69	35	26	10*
2001/02	122	48	47	25	2
2000/01	63	29	23	8	3

\* For 2002/03 and 2003/04: Rejected/withdrawn papers from TOFE02 (7 and 39) are included under Others – regions not sorted out in the ANS/FS&T database.

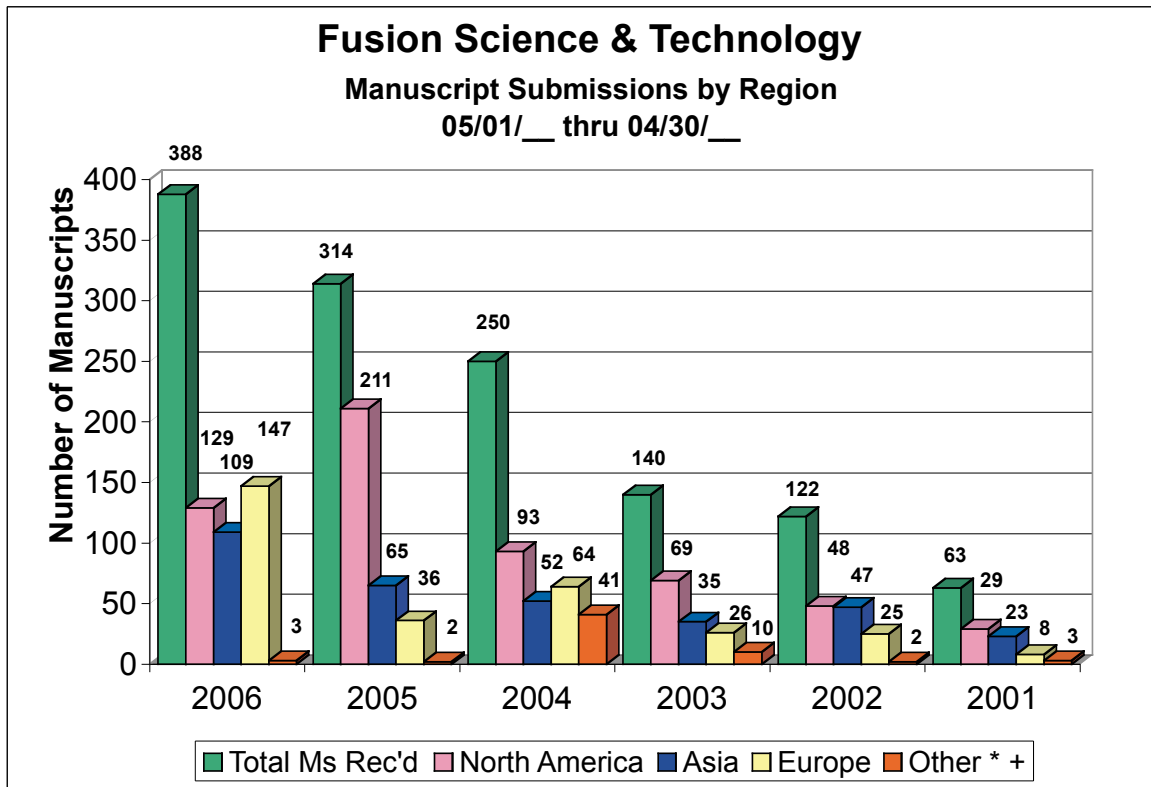
FS&T Manuscripts in Progress 05/01 – thru – 04/30				
Year	Total Ms Received	Accepted/ Scheduled	Rejected/ Withdrawn*	Review/ Revision
2005/06	388	314	52	22
2004/05	314	241	71	2
2003/04	250	197	53	0
2002/03	140	101	39	0
2001/02	122	98	24	0
2000/01	63	41	22	0
* Papers rejected/withdrawn from pre-review/pre-selection of papers from many of the special issues are not included in rejected/withdrawn numbers				

Looking forward to seeing you in Reno.

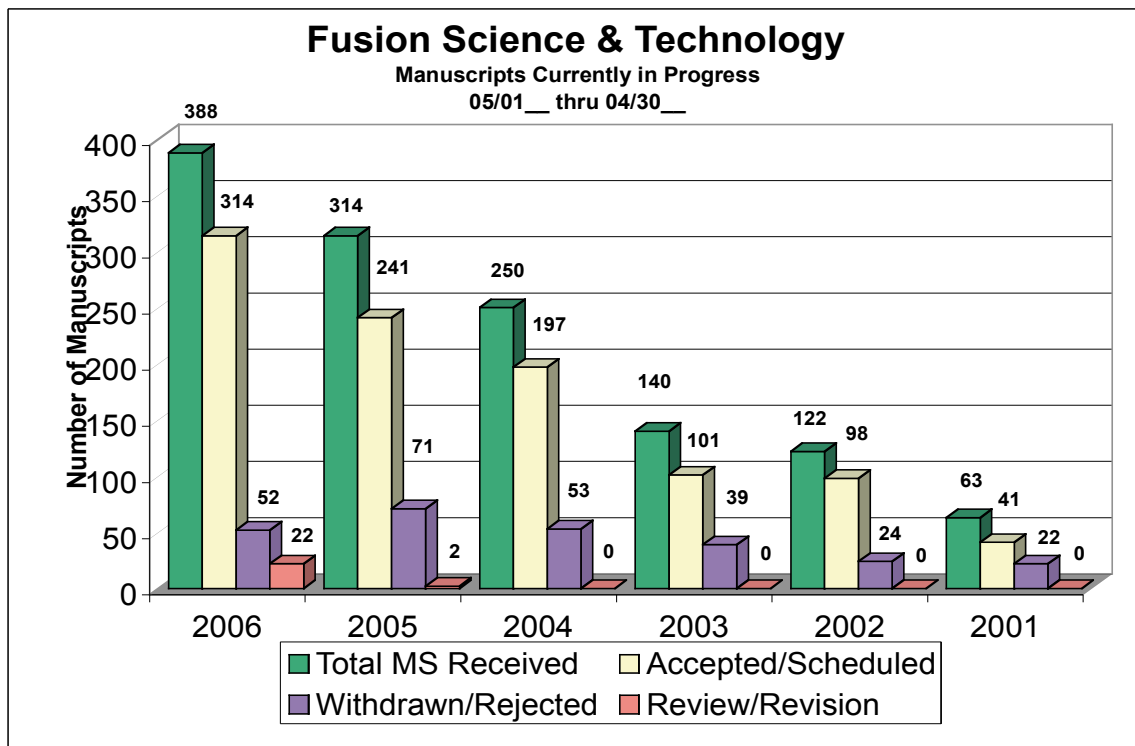
Best regards,

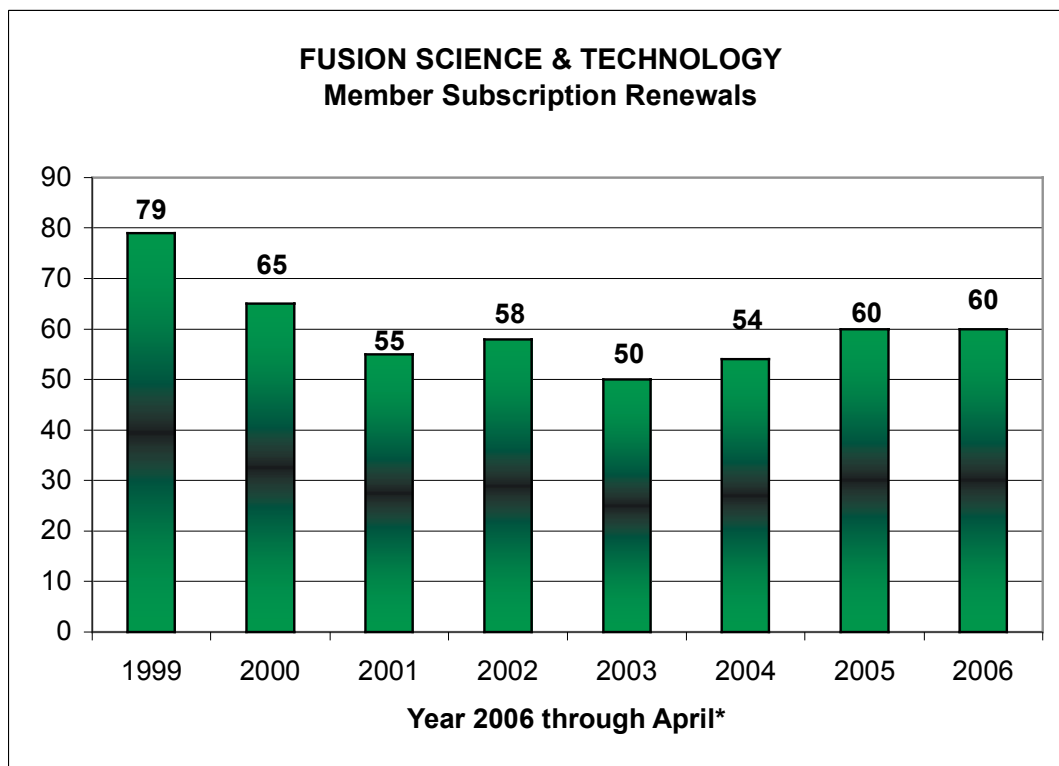
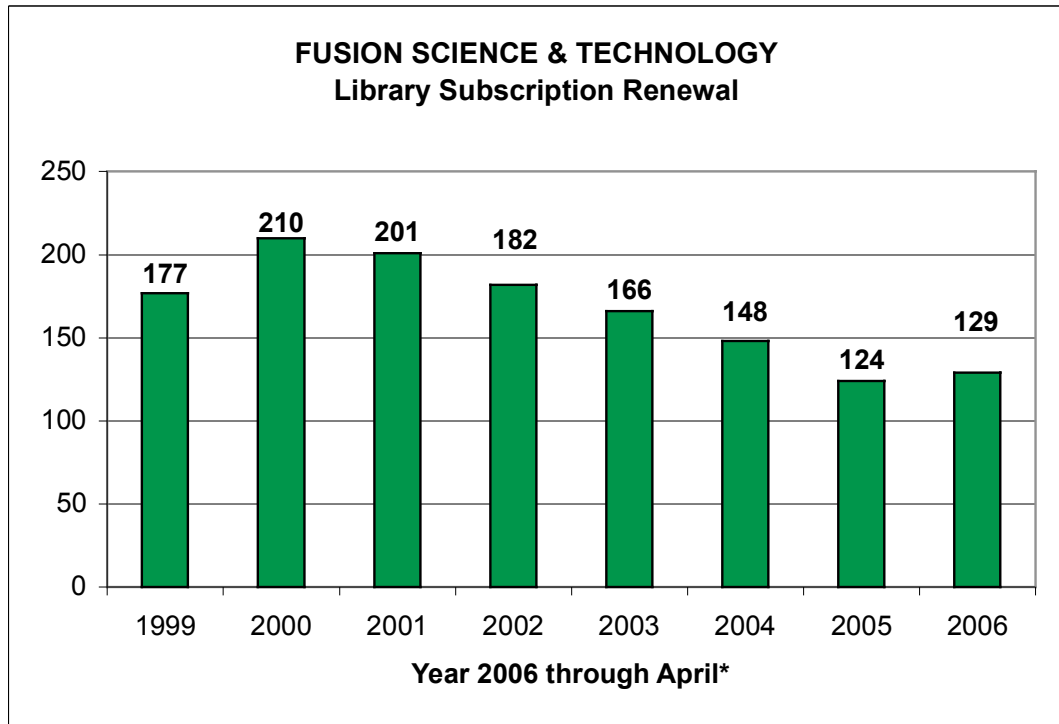
*Nermin A. Uckan*

Nermin A. Uckan, Editor



\* Other includes countries from the Middle East, South America, Africa, and Australia  
 + For 2003 and 2004: Other includes rejected/withdrawn papers from TOFE02 - regions not sorted out





\* 1999-2005 through December 31