
AFT²E

The Association of Federal Technology Transfer Executives

Meeting Schedule

Wednesday, July 13, 1994

7:30am-9:00am **Registration and Continental Breakfast** (Ballroom Assembly)

9:00am-10:00am **Keynote Speaker** (Grand Ballroom)
Gary Bachula
Deputy Under Secretary for Technology
Technology Administration
Department of Commerce

10:00am-10:30am **Break** (Ballroom Assembly)

10:30am-12:30pm **Updates on Major Federal Funding Initiatives** (Grand Ballroom)

Industry has been successful in getting its message out to the federal government that funding research and development consortia building is effective in creating jobs and wealth in the US. There are programs within the federal system, some old and some new, devoted to spurring relationship building for economic growth. AFT²E presents some of the country's leading federal funding programs.

John Mankins
National Aeronautics and Space Administrators
Aerospace Industry Technology Program

Marc Stanley
Advanced Technology Program
National Institute of Standards and Technology

Steven G. Wax Ph.D.
Deputy Director of the Technology Reinvestment Program
Advanced Research Projects Agency

Richard Shane
Assistant Administrator
Small Business Administration for Innovative Research

12:30pm-2:00pm **Lunch and AFT²E Business Meeting** (Promenade)

Thursday, July 14, 1994

7:30am-9:00am **Continental Breakfast** (Ballroom Assembly)

Agency Reports on Major Consortia (Grand Ballroom)

9:00am-9:45am **Department of Commerce (NIST)**
Michael Blaney
Licensing/CRADA Officer
Technology Development Program
Office of Technology Commercialization
National Institute of Standards and Technology

9:45am-10:30 **National Aeronautics and Space Administration**
Kevin Barquenero
NASA

10:30am-11:00am **Break** (Ballroom Assembly)

Agency Reports on Major Consortia (Grand Ballroom)

11:00am-11:45am **National Institutes of Health**
Tom Mays, Ph.D., J.D.
Director, Office of Technology Development
National Cancer Institute

11:45am-12:30pm **Environmental Protection Agency**
Mr. Larry Fradkin
Federal Technology Transfer Act Coordinator
Office of Science, Planning and Regulatory Evaluation
U.S. EPA

12:30pm-2:00pm **Lunch** (Promenade)

2:00pm-4:00pm **TRP Lessons Learned** (Grand Ballroom)

Owen Goldfarb
Manager, Technology Commercialization Programs
Industrial Technology Programs Section
New York State Science and Technology Foundation

Joseph W. Ray, Ph.D.
Executive Director
Great Lakes Industrial Technology Center
Battelle Memorial Institute

Michael J. Ferris
General Manager
Westinghouse Electro-Mechanical Division
Westinghouse Electric Corporation

5:00pm-6:00pm **Board of Directors Post-Conference Meeting**

AFT² E

The Association of Federal Technology Transfer Executives

Evaluation Form

Your input will help shape future conferences. Please take the time to fill this out and place it in the box located at the registration desk.

Meals and Breaks:

Please circle "yes" or "no" in response to the following.

1. What did you think of the continental breakfasts and coffee breaks?

Were they long enough?	yes	no
Was the food appetizing?	yes	no
Were the drinks hot/cold enough?	yes	no

2. What did you think of the lunches?

Was there enough time to eat?	yes	no
Was the food appetizing?	yes	no
Was the service exemplary?	yes	no

3. How was the reception?

Was the selection of drinks acceptable?	yes	no
Was the reception timed well for your schedule?	yes	no
Were the hors d'oeuvres appetizing?	yes	no

Program and Presentations

Please rate the following on a scale of 1-5 (1 = highest score, 5 = lowest)

Keynote Speaker

Applicability to your needs

1	2	3	4	5
Excellent	Good	Fair	Poor	Very Poor

Presentation

1	2	3	4	5
Excellent	Good	Fair	Poor	Very Poor

Overall

1	2	3	4	5
Excellent	Good	Fair	Poor	Very Poor

AFTE²

The Association of Federal Technology Transfer Executives

Forming Partnerships With Industry

**July 13-15, 1994
The Grand Hotel
Washington, DC**

Attendance List

Registration must have been received before 7-6-94 to appear on the attendance list.

Alphabetical By Last Name

Mary K. Affeidt
Chief ASB, IRP
NIH/NIDA/IRP
P.O. Box 5180
Baltimore, MD 21224
410/550-1490

June A. Blalock
Agricultural Resource Service
Room 401, Bldg. 005
BARC-W
Beltsville, MD 20705-2350
301/504-5989

Utpol Chakraborty
Director, Technology and Hemostasis
ORTHO Diagnostic
1001 US Highway 202
Raritan, NJ 08869-0606
908/704-3952

Kathleen M. Conn
Technology Manager, National Institute of MH
9000 Rockville Pike
Building 10, Room 4N224
Bethesda, MD 20892
301/496-8826

Beatrice Droke
Food and Drug Administration
4814 Kemper Street
Rockville, MD 20857
301/443-6890

Michael J. Furey
Brookhaven National Lab
P.O. Box 5000
Building 902C
Upton, NY 11973-5000
516/282-2103

John A. Alexander
Tech Specialist
WINCO
1955 Fremont Avenue
Idaho Falls, ID 83415-3402
208/526-0849

Ron Brunet
Advisor, Environment Canada
425 St. Joseph Blvd.
Hull, Canada P0K1A0H3
819/997-2962

Marv Clement
Manager, ORTA
Pacific NW Lab
P.O. Box 999-K1-17
Richland, WA 99352
509/375-2789

Jennelle Derrickson
Technology Transfer Program Manager
FAA Tech Center
ACL-1, Building 270
Atlantic City, NJ 08405
609/485-5096

Louise B. Dunlap
Director, Martin Marietta
6026F, MS-6396
P.O. Box 2008
Oak Ridge, TN 37831-6396
615/576-4221

Leroy H. Graw
Manager Contracts, SSC Lab
22275 Highway 77 North
MS 1091
Waxahachie, TX 75165
214/708-1069

Eric Greene
Center for Disease Controls
1600 Clifton Road, NE
Atlanta, GA 30333
404/639-6268

Eric W. Hendricks
Office of Naval Research
500 North Quincy Street
Arlington, VA 22217-5660
619/553-1588

Winifred M. Ho
Manager Technology Transfer
BDM Oklahoma, Inc.
220 Virginia Avenue, NW
Bartlesville, OK 74003
918/337-4531

Michael E. Hodges
Senior Fellow Engineer
Westinghouse
1801 K Street, NW
Washington, DC 20006
202/835-2360

Robert R. Silva, Jr.
Manager
Westinghouse
P.O. Box 1970
Richland, WA 99352
509/372-0206

James M. Kinlaw
USAF Development Test Center
Suite 125
101 West D Avenue
Eglin AFB, FL 32545-5495
904/882-8096

David E. Kirkpatrick
Attorney, NAWC
Aircraft Division
6000 E. 31st Street
Indianapolis, IN 46219-2189
317/353-7007

Brian A. Harvey
Technology Transfer
EMPF
71 N Senate Avenue
Indianapolis, IN 46202
317/226-5615

Ronald P. Hinkle
US Army
Edgewood Research & Development
ATTN: ACBRD-DASC
Aberdeen PG, MD 21010-5423
410/671-2031

Charles Hobbs
Associate Director
ITRI
P.O. Box 5890
Albuquerque, NM 87123-5890
505/845-1045

Tony L. Inderbitzen
Deputy Assistant Director
US Geological Survey
12201 Sunrise Valley Drive
Reston, VA 22094
703/698-4450

Ron G. King
Chief Technology Transfer Officer, NIH
Building 31/3B13
9000 Rockville Pike
Bethesda, MD 20892
301/402-2537

Carole M. Kirby
Technology Development Coordinator, NINDS
9000 Rockville Pike
Building 31/8A46
Bethesda, MD 20892
301/496-4697

Ronald Kudla
Director of Patents & Licensing
WARF
614 Walnut Street
Madison, WI 53705
608/263-2500

Clifford E. Lanham
Army Research Lab
2800 Powder Mill Road
Adelphi, MD 20783-1145
301/394-4212

Oles Lomacky
Deputy Director
DEOF of Defense
Pentagon 3D375
Washington, DC 30301-3080
703/614-0205

Mark Lowdermilk
Manager Technology Transfer
WV Development Office
Building 6, Room B-517
Charleston, WV 25305-3083
304/558-3083

Greg Manuel
NLRC
MS 200
Hampton, VA 23681-0001
804/864-3864

Barbara M. McGarey
Deputy Director, National Institute of Health
6011 Executive Blvd.
Suite 325
Rockville, MD 20852
301/496-7057

William H. Meyer
State of Maryland
DEED
217 E. Redwood Street
Baltimore, MD 21202
410/333-6990

Michael G. Moore
Director
US EPA MS 8105
Technology Transfer Staff
Washington, DC 20460
202/260-0277

Frank M. Linguitti
PANITECH SCHWARZE
Jacobs and Nadel
1601 Market Street, 36th Floor
Philadelphia, PA 19103-2398
215/567-2020

Paul M. Longworth
Program Manager
US Department of Energy
52 Trevion II
Washington, DC 20585-0311
301/903-7900

Amy Manheim
Evaluator
US GAD
111 Massachusetts Avenue, #201
Washington, DC 20001
202/512-6952

Mike McCoy
NITC
1768 Business Center Drive
Reston, VA 22090
703/759-1354

Bregenia McWilliams
Assistant
Center for Disease Control
1600 Clifton Road, NE
Atlanta, GA 30329
404/639-6270

Jerry L. Miller
Marketing Representative
National Technology Transfer Center
316 Washington Avenue
Wheeling, WV 26003
304/243-2471

Robert L. Norwood
Director Program Planning
NASA
300 E Street, SW
Washington, DC 20546
202/358-2320

Michael J. O'Connor
Director
US Army
Electronic Imaging
Ft. Huachuca, AZ 85613
602/538-6068

Willard L. Phelps
Technology Transfer Officer
Building 005, BARC-2
Room 419
Beltsville, MD 20705-2350
301/424-0255

William M. Rees
Manager Technology Commercialization
MSE, Inc.
220 North Alaska
Butte, MT 59701
406/723-8213

Michael D. Ruff
Technology Transfer Coordinator
Building 3, Room 223
10300 Baltimore Avenue
Beltsville, MD 20705
301/504-6421

Keith Rylant
Specialist, Tennessee Valley Authority
P.O. Box 1010
Center 1F
Muscle Shoals, AL 35660
205/386-2835

Joyce H. Shephard
Contract Specialist
Martin Marietta
P.O. Box 2008
Oak Ridge, TN 37381-6396
615/576-2014

Jonathan E. Soderstrom
Director of Licensing
Martin Marietta
P.O. Box 2009
Oak Ridge, TN 37381
615/574-5953

Marsha Oldakawski
Economic Development Department
1100 St. Francis Drive
Santa Fe, NM 87501
505/827-0563

Ron Rader
Publisher, Federal Bio-Tech
1700 Rockville Pike
Suite 400
Rockville, MD20852-1631
301/424-0255

Robert R. Rosata
USAMRIID
SGRD-UIZ-M
Frederick, MD 21702-5011
301/619-2775

John J. Russell
Operations Manager
Los Alamos National Lab
P.O. Box 1663
Los Alamos, NM 87545
505/665-3941

Sylvester Scott
Director, Licensing & CRADAS
Martin Marietta
701 Scarboro Road
Oak Ridge, TN 37831-8242
615/576-9673

Jana D. Smith
Technology Transfer Specialist
BDM Oklahoma, Inc.
220 Virginia Avenue, NW
Bartlesville, OK 74003
918/337-4531

Peter L. Sparacino
General Engineer
FAA Technical Center
ACL-1, Building 270
Atlantic City, NJ 08405
609/485-5430

Elizabeth Starbuck
Associate Director, Technology Transfer
University of Minnesota
100 Union Street, Room 179
Minneapolis, MN 55455
612/626-2230

Michael E. Sullivan
NAWC-WPNS
Code 3402
Point Mugu, CA 93042-5001
805/989-9208

Thomas H. Ulrich
INEL
P.O. Box 1625
Idaho Falls, ID 83415-3810
208/526-7282

Cynthia Wesolowski
Administrative Assistant, ARGONNE National Lab
9700 Cass Avenue
Building 900
Argonne, IL 60439
708/252-2030

Jack Williams
Director OTC
NIST
Building 221, Room A343
Gaithersburg, MD 20899-0001
301/975-3850

Andrew Wowczuk
Program Manager
National Technology Transfer Center
316 Washington Avenue
Wheeling, WV 26003
304/243-2535

Martha B. Steinback
Technology Transfer Coordinator
USDA ARA
800 Buchanan Street
Albany, CA 94710
510/559-5963

Tyrone Taylor
Director, NASA Headquarters Service Office
300 E Street, SW
Code FS
Washington, DC 20546
202/358-0700

Louise Wehrle
Tech Staff
Walcoff & Associates
12015 Lee Jackson Highway
Fairfax, VA 22033
703/218-1443

Terry E. Whitaker
Program Specialist, University of Tennessee
Center of Industrial Service
105 Student Service Building
Knoxville, TN 37996-0213
615/974-3018

Ed J. Witterhold
Consultant
BP Exploration
200 Westlake Park Blvd.
Houston, TX 77079
713/560-6182

Karen M. Wright
Program Management, National Eye Institute
NIH
Building 1D, Room 10N202
Bethesda, MD 20892
301/496-9463

Alphabetical By State

Keith Rylant
Specialist, Tennessee Valley Authority
P.O. Box 1010
Center 1F
Muscle Shoals, AL 35660
205/386-2835

Michael E. Sullivan
NAWC-WPNS
Code 3402
Point Mugu, CA 93042-5001
805/989-9208

Ron Brunet
Advisor, Environment Canada
425 St. Joseph Blvd.
Hull, Canada P0K1A0H3
819/997-2962

Paul M. Longworth
Program Manager
US Department of Energy
52 Trevion II
Washington, DC 20585-0311
301/903-7900

Amy Manheim
Evaluator
US GAD
111 Massachusetts Avenue, #201
Washington, DC 20001
202/512-6952

Michael G. Moore
Director
US EPA MS 8105
Technology Transfer Staff
Washington, DC 20460
202/260-0277

Michael J. O'Connor
Director
US Army
Electronic Imaging
Ft. Huachuca, AZ 85613
602/538-6068

Martha B. Steinback
Technology Transfer Coordinator
USDA ARA
800 Buchanan Street
Albany, CA 94710
510/559-5963

Oles Lomacky
Deputy Director
DEOF of Defense
Pentagon 3D375
Washington, DC 30301-3080
703/614-0205

Tyrone Taylor
Director, NASA Headquarters Service Office
300 E Street, SW
Code FS
Washington, DC 20546
202/358-0700

Michael E. Hodges
Senior Fellow Engineer
Westinghouse
1801 K Street, NW
Washington, DC 20006
202/835-2360

Robert L. Norwood
Director Program Planning
NASA
300 E Street, SW
Washington, DC 20546
202/358-2320

John J. Russell
Operations Manager
Los Alamos National Lab
P.O. Box 1663
Los Alamos, NM 87545
505/665-3941

Charles Hobbs
Associate Director
ITRI
P.O. Box 5890
Albuquerque, NM 87123-5890
505/845-1045

Winifred M. Ho
Manager Technology Transfer
BDM Oklahoma, Inc.
220 Virginia Avenue, NW
Bartlesville, OK 74003
918/337-4531

Frank M. Linguitti
PANITECH SCHWARZE
Jacobs and Nadel
1601 Market Street, 36th Floor
Philadelphia, PA 19103-2398
215/567-2020

Louise B. Dunlap
Director, Martin Marietta
6026F, MS-6396
P.O. Box 2008
Oak Ridge, TN 37831-6396
615/576-4221

Joyce H. Shephard
Contract Specialist
Martin Marietta
P.O. Box 2008
Oak Ridge, TN 37381-6396
615/576-2014

Jonathan E. Soderstrom
Director of Licensing
Martin Marietta
P.O. Box 2009
Oak Ridge, TN 37381
615/574-5953

Marsha Oldakawski
Economic Development Department
1100 St. Francis Drive
Santa Fe, NM 87501
505/827-0563

Michael J. Furey
Brookhaven National Lab
P.O. Box 5000
Building 902C
Upton, NY 11973-5000
516/282-2103

Jana D. Smith
Technology Transfer Specialist
BDM Oklahoma, Inc.
220 Virginia Avenue, NW
Bartlesville, OK 74003
918/337-4531

Ron Rader
Publisher, Federal Bio-Tech
1700 Rockville Pike
Suite 400
Rockville, MD20852-1631
301/424-0255

Sylvester Scott
Director, Licensing & CRADAS
Martin Marietta
701 Scarboro Road
Oak Ridge, TN 37831-8242
615/576-9673

Terry E. Whitaker
Program Specialist, University of Tennessee
Center of Industrial Service
105 Student Service Building
Knoxville, TN 37996-0213
615/974-3018

Leroy H. Graw
Manager Contracts, SSC Lab
22275 Highway 77 North
MS 1091
Waxahachie, TX 75165
214/708-1069

Ed J. Witterhold
Consultant
BP Exploration
200 Westlake Park Blvd.
Houston, TX 77079
713/560-6182

Tony L. Inderbitzen
Deputy Assistant Director
US Geological Survey
12201 Sunrise Valley Drive
Reston, VA 22094
703/698-4450

Eric W. Hendricks
Office of Naval Research
500 North Quincy Street
Arlington, VA 22217-5660
619/553-1588

Robert R. Silva, Jr.
Manager
Westinghouse
P.O. Box 1970
Richland, WA 99352
509/372-0206

Ronald Kudla
Director of Patents & Licensing
WARF
614 Walnut Street
Madison, WI 53705
608/263-2500

Andrew Wowczuk
Program Manager
National Technology Transfer Center
316 Washington Avenue
Wheeling, WV 26003
304/243-2535

Mike McCoy
NITC
1768 Business Center Drive
Reston, VA 22090
703/759-1354

Greg Manuel
NLRC
MS 200
Hampton, VA 23681-0001
804/864-3864

Louise Wehrle
Tech Staff
Walcoff & Associates
12015 Lee Jackson Highway
Fairfax, VA 22033
703/218-1443

Marv Clement
Manager, ORTA
Pacific NW Lab
P.O. Box 999-K1-17
Richland, WA 99352
509/375-2789

Jerry L. Miller
Marketing Representative
National Technology Transfer Center
316 Washington Avenue
Wheeling, WV 26003
304/243-2471

Mark Lowdermilk
Manager Technology Transfer
WV Development Office
Building 6, Room B-517
Charleston, WV 25305-3083
304/558-3083

(2)

This was intended, as envisioned by Dr. Shannon, to result in the various elements, federal and nonfederal, inventor and developer, investing their particular capabilities to the fullest extent. Through recognition of each of the participants equities and investment in bringing federally funded inventions to the marketplace.

Appropriate balancing of these equities was of paramount importance during development of these policies.

Indeed, the exclusion of rights and conditions were given as much thought as those positively included. For example, the right of the government to recoup its costs and regulate product costs was not viewed as consistent with its primary concern of enhancing the economy. Whereas, sharing royalties was viewed as necessary to maintain the inventor's involvement. Balancing of these equities remains important as any overreaching on behalf of one of the participants places a cloud over the certainty of rights necessary to maintain the involvement of the other.

(2)

The ~~work~~^{policies} identified today were conceived to make the interactions Dr. Shannon envisioned possible throughout the agencies. At the time Dr. Shannon spoke, ownership of technology was mostly often separated from the R+D organization that created the technology, putting it in the hands of those who did not have the background to ~~judge~~^{appreciate} its value. Indeed, loss of the creator as the owner-advocate made it virtually impossible to continue the complex process of delivering technology to the marketplace.

In comparison, the common principle linking all present policy together, is the belief that commercialization of Federal R+D results ~~would be~~ is increased when technology management is decentralized ~~through~~ by permitting the creating organization to own its technology, ownership by the creating organization brings with it incentives to evaluate each new technology and determine whether intellectual property protection should be sought as a means to elicit outside risk capital and produce

①

When I was involved ~~was involved~~ in pursuing the ~~work~~ ^{politics} that has been so kindly attributed ^{in part} to me today I do not ~~recall~~ ^{recall} being particularly motivated by fame or fortune. The ~~truth~~ of this now seems to be supported by ~~circumstantial~~ ^{circumstantial} evidence. ~~Mostly~~ ^{Mostly} do not join the ~~expatriate~~ ^{federal service} and ~~puture~~ ^{puture}.

However, I most certainly hoped to be appreciated in time by ~~my~~ ^{my} peers and those that followed.

Your presentation ^{to me} of the Vannevar Bush award ^{I had} greatly exceeds these hopes and is received with great appreciation and humility.

Such an honor naturally results in reflection on my fortune in having good friends, some here today, that shared in pursuing our sometimes elusive goal. Those were very happy and stimulating days, ~~with some setbacks~~, during which the pursuit was ~~in most part~~ ^{its own} reward. ~~sometimes~~

~~In 1965~~, ~~forty~~ ^{Thirty} years ago, Dr. James Shannon then Director of N.I.H. told the Senate Subcommittee on Patents, Trademarks, and Copyrights that:

In most instances the NIH or its grantees do not participate in the full development of a therapeutic agent up to the point where it is made available commercially. We view our role in the Nation's medical...