Monday, 7pm to 9pm in the Chapel

Charlie Fry, Chair – Introduction

Speaker Session:

Ken Visscher – Open-Access Laboratories in Industry

Eli Lilly, Indianapolis

Nick Burlinson – Design and Installation of a Departmental NMR Facility

at the University of British Columbia

Eugene DeRose — Problems and Protections for Pumped Magnets

National Institute of Environmental Health Sciences (M-W P 090)

Josh Kurutz – A Survey of Business Models for Academic Facilities

University of Chicago (Th P 031)

David Vander Velde - Cryoprobes and Money (a.k.a. Losing Money)

University of Kansas

Klaas Hallenga – Practical Tips and Tricks with Cryogenic Probes

University of Wisconsin – NMRFAM (Th P 084)

Who:

- Managers of (or directing) magnetic resonance facilities.
- Typically one person per facility.
- Colleagues post and receive emails through that person.
- Currently >1000 members worldwide.

Goal:

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To assist one another in providing the best resources possible for research and applications using magnetic resonance spectroscopy, through exchange of information and experience.

Organization:

Mothing formal, but there is a Steering committee:

Rainer Haessner (TU Munich) Shaw Huang (Harvard)

Vera Mainz (U Illinois) Steve McKenna (Innovene, Chicago)

Rudi Nunlist (UC-Berkeley) Rich Shoemaker (U Colorado)

Karen Ann Smith (U New Mexico) Bill Stevens (Southern Illinois U)

Jane Strouse (UCLA)

There are no mechanisms currently in place to deal with Working Groups, or similar issues.

Operations:



AMMRL meetings at the ENC.



Primarily through the email list-server, managed by Rich Shoemaker at U Colorado.

Assistance is provided by the AMMRL Junta: Jeff Simpson, Letitia Yao, Karen Ann Smith (+ Rich)

Listserver rules:

(see also http://chemnmr.colorado.edu/ammrl/archives/ammrl-faq.txt):

- E-mail is sent as-is; no editing is done to legitimate posts.
- No attachments. Post figures and other pages on your own website, and include URL in email.
- Reply (typically) only to original sender (not to full list).
- Original sender provides Summaries (include that word in the Heading) when many responses are provided.
- No advertisements or other commercial activities.

There is a searchable archive at the AMMRL website.

Facility Design and Planning:

Siting

elevators
railroads
floor vibrations
building sway
cell towers/coherent noise
ESRs, mass specs
carpeting
cryogenic accessories
type
proximity to magnet

Safety

oxygen sensors cryogen handling stray fields pacemakers pregnancy posting fire/water sprinklers

Mechanical/Electrical

power
UPS (consoles, computers)
HVAC - temp control
new labs
existing labs
gas
air or N2
dryers
generators
precoolers

Computers/Networks

monitors wi-fi firewalls/routers

Acquisition and Installation of New or Upgraded Spectrometers

Proposal Writing

agency guidelines
matches
"other equipment"
faculty interaction
quotations
insuring proper configuration
involving 3rd party vendors

Demos and Evaluation

strategies
magnets
consoles
probes (cold and warm)
collegial behavior
site visits

Purchasing

competing vendors warranties delivery time lines penalties

Specifications/Installations

vendor vs custom
magnet drift
line shape drift
time-line
pumped magnets
line shape
sensitivity
cryogenic probes
automated tests
electronic tests
etc.

Should these issues be customer or vendor driven?

Facility Operations and Research

Experiments

implementation
which flavor
source code/distribution
education
how-to guides
odd nuclei
standards

Special Environments

Open Access
Automation
cold vs warm probes
flow vs tubed probes
hyphenated techniques

Computers

security home-built, compatibility backups data exchange

Analysis Software

desktop availability costs/licensing graphics exporting

Facility Business

Staffing

typical duties people/instrument (or MHz) engineers salary+benefits surveys

Finances

fees
service work
cryogenic probes
expenses
cryogens
maintenance (cold probes)
accounting software

Professional Communications

Instruction & Training

level of training interaction with faculty staff as instructors/faculty

Publishing

collaborative guidelines what is possible what is typical

Meetings and Travel

what is typical

AMMRL

very active email group active(?) ENC meetings

expand to new Internet technologies?

very nice web forum from Perry Pellechia in limbo

Rainer Haessner has a wikipedia site at:

http://howto.ammrl.org

Breakout Sessions:

Cryogenic Probes

Cryogenic Probes	many	
User Training/Competency	many	
laptops and security	Rainer Haessner	M-W P 405
wikipedia site: http://howto.ammrl.org	Rainer Haessner	
do-it-yourself linux hosts	Dave Vander Velde	
desktop processing software (cost)	Pathre Sadanand	
open-source data integration (NMRpipe)	Michael Gryk	Th P 087
facility computer configuration	Phil Dennison	
business issues, open access labs	Tom Stringfellow	
sample changers	Tim Burrows	
experiments for sample characterization	Steve Huhn	Th P 038

Working Groups:

User Training/Competency (Klika)

Formulate a policy/set of standards regarding topic of level of user competency that could be adopted universally or referred to:

- > call for suggested recommendations,
- prepare a set of guidelines representing the consensus of the input, and
- then have the guidelines evaluated by the wider community.

Authorship/Acknowledgments (Singleton)