

Ceramic Subcommittee
March 12, 2008
ICDD Headquarters
Peter Zavalij, Chairman

Call to Order

Meeting was called to order at 1:00 p.m. by P. Zavalij

Appointment of Minutes Secretary

Lisa Lanno

Approval of Minutes from March 2007 Meeting

Minutes were unanimously approved.

6 For

0 Opposed

0 Abstained

Board of Directors' Liaison Report

E. Antipov reported the 2 motions from last year were approved. One was to allocate money for the Annual March 2008 meeting. Second motion was to create a new subfile Thermoelectric materials (TEM) when properly populated.

Old Business

Development of subfiles – P. Zavalij

Multiferroics

Piezoelectrics

Ionic Conductors (V. Nalbandyan/G. Subba Rao)

107 selected (estimated total about 200)

Superconductors (E. Antipov/W. Wong-Ng)

2 preselected based on chemistry but not properties

G.G. Johnson questioned when adding the Tc is it acknowledged from a separate reference? V. Bosnic will look into the answer.

Microwave Materials (W. Wong-Ng)

TEM (W. Wong-Ng)

W. Wong-Ng trying to get some students to work on the properties.

Semiconductors (M. Delgado/A. Davydov)

New people working on this huge subfile which is important to industry.

A. Davydov

2004 important class was identified

SEM subfile should include ~50 compounds identified as industrially important SEM. It will be completed by the end of November.

A. Davydov will need cross references from ICDD to be able to work on subfile.

E. Antipov questioned how many SEM entries are in system now and how many users use this subfile. A. Davydov - only 44 SEM.

Battery Materials (P. Zavalij)

35 property entries. No new entries in set 58.

Bioceramics (S. Mixture)

A new ICDD member, Dr. A. Cuneyt Tas, is working in the field of bioceramics.

S. Mixture would like to delete the bioceramic subfile since there have not been any new bioceramics for the past three years.

J. Reid believes the subfile is useful and volunteered to help with this subfile.

Ferroelectrics (S. Ivanov/V. Nalbandyan)

2 new entries were flagged this year.

Potential/new subfiles:

Multiferroics (S. Ivanov)

Piezoelectrics

GMR

P. Zavalij will discuss with S. Ivanov about working on more multiferroics and piezoelectrics.

Perovskites

No one worked on

MOTION 1

The Ceramic Subcommittee recommends to the Technical Committee that a sum of up to \$3000 be allocated for inviting Ceramics Task Group members during the 2009 ICDD annual meeting, to work on property subfiles.

Move Tim Fawcett

Second Jerry Johnson

7 (for)

0 (opposed)

0 (abstain)

Motion passed

Adjournment