

2003–04 WINTER MEETING OF THE
ASSOCIATION FOR SYMBOLIC LOGIC

Phoenix Civic Plaza, Phoenix, Arizona,
January 9–10, 2004

A Winter Meeting of the Association for Symbolic Logic was held on January 9–10, 2004 at the Phoenix Civic Plaza, in conjunction with the annual Joint Mathematics Meetings. The members of the Program Committee were Valentina Harizanov, John Steel, and Carol Wood (Chair). The program included ten invited 50-minute talks and eight contributed talks. The ASL hosted a welcoming reception on January 9th at the Hyatt Regency Hotel. In addition, on January 7–8, prior to the ASL Meeting, there was a joint AMS–ASL Special Session, **Infinite Combinatorics and Inner Model Theory**, organized by M. D. Foreman and M. Zeman.

The 50-minute invited addresses were:

Matthew Foreman (UC Irvine), *Canonical structure in the universe of set theory*.

Steve Jackson (University of North Texas), *Supercompactness measures*.

Byunghan Kim (MIT) *The type-definable group configuration under the generalized type-amalgamation*.

Julia Knight (Notre Dame), *Computable classification*.

R. W. Knight (University of Oxford), *Vaught's Conjecture*.

Steffen Lempp (University of Wisconsin), *The proof-theoretic strength of some combinatorial principles*.

Françoise Point (FNRS-Belgium) *On theories of modules of fields with endomorphisms*.

Kobi Peterzil (Haifa and University of Illinois, Urbana) *Torsion-free groups in some o-minimal structures*.

Leonard Schulman (Caltech) *Quantum algorithms and group representation theory*.

Slawomir Solecki (University of Illinois, Urbana), *Cofinal types of topological directed orders*.

Abstracts of the invited talks and contributed talks given (in person or by title) by members of the Association for Symbolic Logic follow.

For the Program Committee
CAROL WOOD

Abstracts of invited talks

- MATTHEW FOREMAN, *Canonical structure in the universe of set theory*.
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“Canonical Structure” is an informal term denoting, among other things, structure that is independent of the choices made in its definition. Classically the only canonical structures known were cardinalities, cofinalities, behaviour of the “beth” function and fine structural inner models. Recently, following work of Shelah, a wealth of canonical structure has been