

## COMMISSION 45 WORKING GROUP ON STANDARD STARS

### *GROUPE DE TRAVAIL SUR LES ETOILES STANDARD*

**CHAIRPERSON: C. J. Corbally**  
**NEWSLETTER EDITOR: R. O. Gray**

#### **1. Business**

The meeting of the working group on standard stars (WGSS) opened under the chairmanship of Corbally. Gray kindly remains as newsletter editor. Through a round of thanks given to Gray, it was recognized by the two dozen present that this publication is the major vehicle between WGSS meetings for achieving its tasks, namely promoting and communicating work on standard stars. Copies of the newsletter can be downloaded from <http://stellar.phys.appstate.edu/ssn>

#### **2. Science**

The meeting was largely devoted to science matters. M. Bessell described the close relationship of stellar effective temperatures derived from  $V - I$  colors with the infrared flux method's temperatures, especially for the no-overshoot models. These models were also used by R.C. Peterson to derive effective temperatures of solar-type stars to as good as 50K from optical and mid-UV spectra.

E.F. Milone reported on continuing the observations of standard stars in the IR Working Group's passband system, one which avoided defining the passbands by the atmospheric windows. There was some discussion on how best to designate these passbands so as to avoid confusion with other systems' nomenclature.

A.G. Davis Philip described the considerable progress made in setting up of the Stromvil photometric system's standards and standard regions. With this system it is possible to classify photometrically all the different kinds of stars, regardless of reddening. J. Fabregat was also investigating standards suitable for CCD photometry in the Stromgren system by choosing clusters with various reddening values. He was concentrating particularly on the OB stars.

R.F. Garrison updated the working group on his project to preserve the hierarchy of spectral standards in the MK System. He indicated how the traditional activities of the classifier can now be extended by automated classification.

Christopher J. Corbally  
*Chairperson of the Working Group*