DIVISION IV: STARS
(ETOILES)

PRESIDENT: Lawrence Cram
BOARD: Beatriz Barbuy, Michele Gerbaldi, David Lambert, Roberto Pallavicini, Jean-Paul Zahn & Hans Zinnecker,

Commission 26: Double and Multiple Stars
Commission 29: Stellar Spectra
Commission 35: Stellar Constitution
Commission 36: Theory of Stellar Atmospheres
Commission 45: Stellar Classification

1. INTRODUCTION
Division IV organises astronomers studying the characterisation, interior and atmospheric structure, and evolution of stars of all masses, ages, and chemical compositions. The Executive Committee of the Division comprises the Presidents of the Five Commissions of the Division, and the Past Division President.

One of the main tasks of the Division is to advise the Executive Committee of the IAU on meetings proposed by members of the IAU. Members wishing to seek IAU support for proposed scientific meetings should follow the IAU rules for such meetings.

2. SCIENTIFIC HIGHLIGHTS 1997-1999
Highlights of the triennium are reported at a sequence of important scientific Symposia and Colloquia. IAU-sponsored meetings of relevance to Division IV include:

Symposium 182
HERBIG-HARO FLOWS AND THE BIRTH OF LOW-MASS STARS
Chamonix, France, January 20-26, 1997
Eds. B. Reipurth & C. Bertout

Symposium 185
NEW EYES TO SEE INSIDE THE SUN AND THE STARS
Kyoto, Japan, August 18-22, 1997.
Eds: D.W. Kurtz & J. Leibacher

Symposium 187
COSMIC CHEMICAL EVOLUTION
Kyoto, Japan, August 26-30, 1997
Eds: J.W. Truran & K. Nomoto
Kluwer, in prep. Symposium 189
FUNDAMENTAL STELLAR PROPERTIES:
THE INTERACTION BETWEEN OBSERVATION AND THEORY
Sydney, Australia, January 13-17, 1997
Eds. T. Bedding, A.J. Booth & J. Davis

Symposium 191
ASYMPTOTIC GIANT BRANCH STARS
Montpellier, France, August 28 - September 1, 1998
Eds. A. Lebre, T. le Bertre & C. Waelkens

Symposium 192
THE STELLAR CONTENT OF LOCAL GROUP GALAXIES
Cape Town, South Africa, September 7-12, 1998

Symposium 193
WOLF-RAYET PHENOMENA IN MASSIVE STARS AND STARBURST GALAXIES
Puerto Vallarta, Mexico, November 3-7, 1998
Eds. K.A. van der Hucht, G. Koenigsberger & P.R.J. Eenens

Symposium 196
PRESERVING THE ASTRONOMICAL SKY: AN IAU/COSPAR/UN SPECIAL ENVIRONMENTAL SYMPOSIUM
Vienna, Austria, July 12-16, 1999
Eds. R.J. Cohen & W.T. Sullivan

Symposium 198
THE LIGHT ELEMENTS AND THEIR EVOLUTION
Natal, Brazil, November 22-26, 1999
Eds. L. da Silva, R. de Medeiros & M. Spite

Colloquium 163
ACCRETION PHENOMENA AND RELATED OUTFLOWS
Port Douglas, Australia, July 15-19, 1996
Eds: D.T. Wickramasinghe, G. Bicknell & L. Ferrario

Colloquium 169
VARIABLE AND NON-SPHERICAL STELLAR WINDS IN LUMINOUS HOT STARS
Heidelberg, Germany, June 15-19, 1998
Eds. B. Wolf, O. Stahl & A.W. Fullerton

Colloquium 170
PRECISE STELLAR RADIAL VELOCITIES
Victoria, Canada, June 21-26, 1998
Eds. J.B. Hearnshaw & C.D. Scarfe

Colloquium 175
THE BE PHENOMENON IN EARLY-TYPE STARS
Alicante, Spain, June 28 - July 2, 1999
3. WORKING GROUPS

Several Working Groups associated with Division IV and its Commissions are very active in their areas of interest. The Working Groups, their Chairs, and their Publications are:

<table>
<thead>
<tr>
<th>Title</th>
<th>Chair</th>
<th>Newsletter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot Massive Stars</td>
<td>Dr. P. Eenens</td>
<td>Hot Star Newsletter</td>
</tr>
<tr>
<td>Standard Stars</td>
<td>Dr. R.F. Garrison</td>
<td>Standard Stars Newsletter</td>
</tr>
<tr>
<td>Ap and related stars</td>
<td>Dr. M. Takada-Hidai</td>
<td>Ap and related stars</td>
</tr>
<tr>
<td>Active B Stars</td>
<td>Dr. D. Baade</td>
<td>Be Star Newsletter</td>
</tr>
<tr>
<td>Peculiar Red Giants</td>
<td>Dr. R.F. Wing</td>
<td>Chemically Peculiar Red Giants</td>
</tr>
<tr>
<td>Spectroscopic Data Archives</td>
<td>Dr. E. Griffin</td>
<td>The Virtual Observatory</td>
</tr>
</tbody>
</table>

4. FURTHER INFORMATION

WWW contacts for the Commissions and Working Groups associated with Division IV are:

<table>
<thead>
<tr>
<th>Name</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commission 26</td>
<td><a href="http://www.chara.gsu.edu/DoubleStars/intro.html">www.chara.gsu.edu/DoubleStars/intro.html</a></td>
</tr>
<tr>
<td>Commission 29</td>
<td><a href="http://www.iagusp.usp.br/~barbuy/com29.html">www.iagusp.usp.br/~barbuy/com29.html</a></td>
</tr>
<tr>
<td>Commission 35</td>
<td><a href="http://www.astrop.physics.usyd.edu/IAU/comm35.html">www.astrop.physics.usyd.edu/IAU/comm35.html</a></td>
</tr>
<tr>
<td>Commission 45</td>
<td><a href="http://www.iap.fr/com45iau">www.iap.fr/com45iau</a></td>
</tr>
<tr>
<td>WG: Standard Stars</td>
<td>clavius.as.arizona.edu/ssn/</td>
</tr>
<tr>
<td>WG: Ap and Related Stars</td>
<td>obswww.unige.ch/~north/APN/Welcome.html</td>
</tr>
<tr>
<td>WG: Active B Stars</td>
<td><a href="http://www.limber.org/benews/iauwg.abs.html">www.limber.org/benews/iauwg.abs.html</a></td>
</tr>
<tr>
<td>WG: Peculiar Red Giants</td>
<td>www-astronomy.mps.ohio-state.edu/~wing/prgnews.html</td>
</tr>
<tr>
<td>WG: Spectroscopic Data Archives</td>
<td>herbie.ucolick.org/vo/</td>
</tr>
<tr>
<td>Division IV</td>
<td><a href="http://www.astrop.physics.usyd.edu/IAU">www.astrop.physics.usyd.edu/IAU</a></td>
</tr>
</tbody>
</table>

L. Cram
President of the Division