

0.2 dex in giants (Lambert and Ries, 1977, 1981; Kjaergaard et al., 1982). The effect of this correction is important only for a couple of the cooler population I stars.

Fig. 2 and 3 give the [O/Sc] and [O/Fe] ratios against the iron abundance; an additional star (HD 122563: Lambert et al., 1974) having literature data is plotted in Fig. 2 as a triangle.

Inspection of Fig. 2 und 3 reveals that metal poor stars are Oxygen overabundant. However, this overabundance is less than indicated by the previous works. Our result refers to a small sample of stars. However, it may be considered as an evidence of a slight (0.3 dex) Oxygen overabundance in metal poor stars.

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Visiting Astronomers

(October 1, 1984 to April 1, 1985)

Observing time has now been allocated for period 34 (October 1, 1984 to April 1, 1985). As usual, the demand for telescope time was much greater than the time actually available.

The following list gives the names of the visiting astronomers, by telescope and in chronological order. The complete list, with dates, equipment and programme titles, is available from ESO-Garching.

3.6 m Telescope

October 1984: Hunger/Heber/Drilling/Kudritzki, Alloin/D'Odorico/Pelat, Dravins/Linde/Nordlund/Fredga/Gahm/Ayres/Linsky/Simon, Eriksson/Saxner, Gratton/Ortolani, Maurice/Lequeux/M.L. Prévot/L. Prévot, Cristiani, Moorwood/Cetty-Véron, Richter/Chiosi/Ortolani/Gratton, Beuermann/Pakull/Motch/Krautter, Lindblad/Jörsäter, Kunth/Sargent, Zuiderwijk/v. Paradijs/de Loore.

November 1984: Zuiderwijk/v. Paradijs/de Loore, Alloin/D'Odorico/Pelat, Rosino/Ortolani, Pizzichini/Pedersen, Bergeron/Puget, Marano/Zamorani/Zitelli, Westerlund/Azzopardi/Breysacher, Marano/Zamorani/Zitelli, Westerlund/Azzopardi/Breysacher, Neckel/Staude.

December 1984: Neckel/Staude, Kudritzki/Conti/Gehren/Groth/Husfeld/Simon, Danks, Ferlet/Dennefeld, Rodono/Foing/Cutispoto/Scaltriti/Bonnet/Linsky/Butler/Haisch, Dennefeld, Cristiani, Richtler/Seggewiss, Pakull/Beuermann/Ilovaisky/Chevalier/Motch/van der Klis, Danziger/Cristiani/Shaver.

January 1985: Epchtein/Braz, Israel/Koornneef/de Graauw/Schwering, Westerlund/Jörgensen U.G./Gustafsson, Olofsson/Bergvall/Johansson, van der Kruit, Westerlund/Jörgensen, U.G./Gustafsson, Lequeux/Azzopardi/Breysacher/Westerlund, Schild/Maeder/Kunth, Hensler/Schoembs/Kudritzki/La Dous/Barwig, Chmielewski/Jousson.

February 1985: Chmielewski/Jousson, Kudritzki/Nissen/Gehren/Simon, Reipurth, Cetty-Véron, Bergeron/Boissé, Pottasch/Bouchet/Dennefeld/Karaji, de Grijp/Lub/Miley/de Jong, Pottasch/Bouchet/Dennefeld/Karaji, Preite-Martinez/Persi/Ferrari-Toniolo/Pottasch.

March 1985: Preite-Martinez/Persi/Ferrari-Toniolo/Pottasch, Moorwood/Glass, de Muizon/d'Hendecourt/Perrier, Perrier/Chelli/Léna, Stalio/Ferluga, Gehren/Hartmann/Kudritzki, Krautter.

1.4 m CAT

October 1984: Crivellari/Beckman/Foing/Franco, Ferlet/Vidal-Madjar/Gry/Laurent, Spite, M. and F./François, Danks/Lambert.

November 1984: Danks/Lambert, Pallavicini, Holweger/Gigas/Steenbock, Mauron, Reimers/Hempe/Toussaint.

December 1984: Reimers/Hempe/Toussaint, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Gustafsson/Vilhu/Schoembs, Rodono/Foing/Cutispoto/Scaltriti/Bonnet/Linsky/Butler/Haisch, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Gustafsson/Vilhu/Schoembs, Barbuy, Baade.

January 1985: Baade, Hanuschik/Dachs, Baade/Ferlet, Furenlid/Kurucz.

February 1985: Baade, Gratton/Ortolani/Sneden, Hanuschik/Dachs.

- March 1985: Hanuschik/Dachs, Thé/Tjin A Djie/Praderie/Catala, Ferlet/Vidal-Madjar, Gry/Laurent, Ruiz/Melnick, Giovanelli/Vittone/Bisnovaty/Sheffer/Lamzin, van Dishoeck/Habing/Black, Groth/Kudritzki/Simon, Cayrel de Strobel.
- December 1984: Thé/Westerlund/Pérez, Bouchet/Chalabaev, Rodono/Foing/Cutispoto/Scaltriti/Bonnet/Linsky/Butler/Haisch, Bouvier/Bertout/Bouchet, Wolf/Appenzeller/Klare/Leitherer/Stahl/Zickgraf/Bastian, Hahn/Lagerkvist/Rickman, Busso/Scaltriti/Cellino.

2.2 m Telescope

- October 1984: Véron, Grewing/Bässgen/Kappellmann/Bianchi/Krämer/Gutekunst, Moorwood/Cetty-Véron, Richter/Ortolani/Gratton/Chiosi, Pizzichini/Pedersen, Danziger/Shaver/Pedersen.
- November 1984: Henry/Arp/Gosset/Swings/Surdej.
- December 1984: Henry/Arp/Gosset/Swings/Surdej, Clausen/Jensen/Giménez/van der Klis, van der Klis/van Paradijs/van den Heuvel/Bonnet-Bidaud/Jansen/Cordova, Crane/Chincarini, Pakull/Beuermann/Ilovaisky/Chevalier/Motch/van der Klis, Lyngå/Westerlund/Linde, Blecha/Rufener.
- January 1985: Jörgensen/Norgaard-Nielsen/Hansen, Weigelt/Koller/Kollatschny/Seggewiss, Schild, Cesarsky/Danziger.
- February 1985: Cesarsky/Danziger, Sadler/Carter, Bertola/Danziger/Sadler, Pottasch/Bouchet/Dennefeld/Karoji, Véron.
- March 1985: Ilovaisky/Motch/Hurley/Pedersen/Chevalier/Angebault.
- January 1985: Busso/Scaltriti/Cellino, Gammelgaard/Kristensen, Bergvall/Olofsson K./Ekman, Lauberts, Hensler/Schoembs/Kudritzki/La Dous/Barwig, Reipurth.
- February 1985: Reipurth, Strupat/Rahe/Drechsel, Bouchet/Chalabaev, Antonello/Mantegazza/Pastori, Maitzen/Schneider/Catalano.
- March: 1985: de Muizon/d'Hendecourt/Perrier, Perrier/Chelli/Léna, Lagerkvist/Rickman/Hahn/Magnusson, Persi/Ferrari-Toniolo/Roth/Tapia, Giovanelli/Vittone/Bisnovaty/Sheffer/Lamzin, Lagerkvist/Rickman/Hahn/Magnusson, Fouqué, Pauls/Kohoutek, Liller/Alcaino.

50 cm ESO Photometric Telescope

- October 1984: Surdej A. and J./Schober/Michalowski, Group for long-term photometry of variables (Sterken-Brussels).
- November 1984: Group for long-term photometry of variables (Sterken-Brussels), Carrasco/Loyola, Schneider/Maitzen, Thé/Westerlund/Pérez.
- December 1984: Thé/Westerlund/Pérez, Schneider/Maitzen, Bouvier/Bertout/Bouchet, Busso/Scaltriti/Cellino, Wolf/Appenzeller/Klare/Leitherer/Stahl/Zickgraf/Bastian.
- January 1985: Wolf/Appenzeller/Klare/Leitherer/Stahl/Zickgraf/Bastian, Group for long-term photometry of variables (Sterken-Brussels).
- February 1985: Group of long-term photometry of variables (Sterken-Brussels), Manfroid/Sterken, Metz/Häfner, Carrasco/Loyola, Metz/Häfner, Thé/Tjin A Djie/Praderie/Catala, Group for long-term photometry of variables (Sterken-Brussels).

1.5 m Spectrographic Telescope

- October 1984: Alloin/D'Odorico/Pelat, Bues/Rupprecht, Prévot M.L./Lequeux/Maurice/Prévot L., Appenzeller/Östreicher, Alloin/D'Odorico/Pelat.
- November 1984: Alloin/D'Odorico/Pelat, Danziger/Maraschi/Tanzi/Treves, Bica/Alloin, Mazure/Capelato/Sleinev/Gerbal/Mathez/Proust/Salvador-Solé, Kollatschny/Colina, Palumbo/Vettolani/Hickson.
- December 1984: Palumbo/Vettolani/Hickson, Thé/Westerlund/Pérez, Heydari-Malayeri/Testor, Bouvier/Bertout/Bouchet, Hahn/Lagerkvist/Rickman, Lub/de Ruiter.
- January 1985: Wolf/Appenzeller/Klare/Leitherer/Stahl/Zickgraf/Bastian, Gomez/Gerbaldi/Floquet/Grenier, Catalano/Marilli/Trigilio, Lundgren, Olofsson G., Bergvall/Olofsson K./Ekman, Capaccioli/Longo, Koester/Zeidler K.T.
- February 1985: Koester/Zeidler K.T., Strupat/Rahe/Drechsel, Koeppen/Finkenzeller/Carsenty, Pastori/Mantegazza/Antonello, Pelat/Clavel, Fricke/Hellwig, Pelat/Clavel, Metz/Häfner, Maitzen/Schneider/Catalano.
- March 1985: Maitzen/Schneider/Catalano, Andersen, Lagerkvist/Rickman/Hahn/Magnusson, Giovanelli/Vittone/Bisnovaty/Sheffer/Lamzin, Chincarini/de Souza/Manousoyannaki/Kotanyi, Nelles, Pauls/Kohoutek.
- October 1984: Martin.
- November 1984: Valbousquet.
- December 1984: Dommagnet/Léonis.
- January 1985: Dommagnet/Léonis, Duerbeck/Tsvetkov/Seitter.
- February 1985: Debehogne/Zappala/De Sanctis/Lagerkvist/Magnusson.
- March 1985: Madsen, Schober, Madsen.

GPO 40 cm Astrograph

- October 1984: Martin.
- November 1984: Valbousquet.
- December 1984: Dommagnet/Léonis.
- January 1985: Dommagnet/Léonis, Duerbeck/Tsvetkov/Seitter.
- February 1985: Debehogne/Zappala/De Sanctis/Lagerkvist/Magnusson.
- March 1985: Madsen, Schober, Madsen.

1.5 m Danish Telescope

- October 1984: Lindgren/Ardeberg/Maurice/Prévot L., Cacciari/Clementini/Prévot L./Lub/de Bruyn, Lindgren/Ardeberg/Maurice/Prévot L., Pedersen, Lequeux Maurice/Prévot L. and M.L., Lindblad/Jörsäter, Fusi Pecci/Renzini/Buonanno/Corsi, Aurière/Cordoni.
- November 1984: Aurière/Cordoni/J.V. Clausen/A. Giménez/K.S. Jensen, A. Reiz/V. Pirola, L. Hansen.
- December 1984: Clausen/Jensen/Giménez/van der Klis, van der Klis/van den Heuvel/van Paradijs/Clausen/Jensen/Bonnet-Bidaud/Jansen, van Paradijs/van der Klis/Cordova, Rosino/Ortolani, Ortolani/Gratton, Ilovaisky/Chevalier/Motch/Angebault.

1 m Photometric Telescope

- October 1984: Cacciari/Clementini / Prévot L. / Lub / de Bruyn, Trefzger/Labhardt/Spaenhauer/Steinlin, Mouchet/Bonnet-Bidaud/Motch, Beuermann/Pakull/Motch/Krautter, Bues/Rupprecht, Fricke/Loose.
- November 1984: Fricke/Loose, Bouchet/Chalabaev, Schneider/Kroll/Voigt, Bica/Alloin/Dottori/Pastoriza, Gosset/Arp/Henry/Surdej/Swings.

- January 1985: B. Reipurth, J. Andersen/A. Blecha/M.F. Walker, A. Reiz, Ilovaisky/Chevalier/Motch/Angebault, Lindgren/Ardeberg/Maurice/Prévot L.
- February 1985: Lindgren/Ardeberg/Maurice/Prévot L., Andersen/Nordström/Olsen, Prévot L. Ardeberg/Lindgren/Maurice, Mayor/Burki, Mayor/Mermilliod, Crane/Capaccioli, de Grijp/Lub/Miley/de Jong.
- March 1985: S. Frandsen/B. Thomsen, K. Gyldenkerne/M. Hawkins, de Grijp/Lub/Miley/de Jong, Liller/Alcaino, Ilovaisky/Chevalier/Motch/Angebault.

50 cm Danish Telescope

- October 1984: Lindgren/Ardeberg/Maurice/Prévot L., Grenon/Oblak, Lindgren/Ardeberg/Maurice/Prévot L., Grenon/Oblak, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze.
- November 1984: Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze.
- December 1984: Schneider/Maitzen/Weiss/Vogt, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Gustafsson/Vilhu/Schoembs, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Gustafsson/Vilhu/Schoembs.
- January 1984: Baade/Ferlet, L.K. Kristensen.
- February 1985: L.K. Kristensen, Sterken, Lindgren/Ardeberg/Maurice/Prévot L., Lodén K.
- March 1985: Lodén K., E.H. Olsen.

90 cm Dutch Telescope

- October 1984: Trefzger/Pel/Blaauw, van Paradijs/Groot, van Paradijs/Charles/Pakull, van Paradijs/Bath/Charles/Groot, van Paradijs/Bath/Zuiderwijk/Groot.
- November 1984: van Paradijs/Groot, van Paradijs/Charles/Pakull, van Paradijs/Bath/Charles/Groot, van Paradijs/Bath/Zuiderwijk/Groot.

December 1984: Diethelm, Lub/de Ruiter.

- February 1985: Grenon/Lub, de Zeeuw/Lub/Blaauw/Koninx, van Paradijs/Groot/van Paradijs/Charles/Pakull, van Paradijs/Bath/Charles/Groot.
- March 1985: van Paradijs/Groot, van Paradijs/Charles/Pakull, van Paradijs/Bath/Charles/Groot, van Paradijs/Bath/Zuiderwijk/Groot.

61 cm Bochum Telescope

- October 1984: Grewing/Bässgen/Kappellmann/Bianchi/Krämer/Gutekunst, Bianchi/Cellino/Grewing/Pakull.
- November 1984: Bianchi/Cellino/Grewing/Pakull, Isserstedt.
- December 1984: Isserstedt.
- January 1985: Isserstedt, Feitzinger.
- February 1985: Feitzinger, Musculus.
- March 1985: Musculus.

Applications for Observing Time at La Silla

Period 35 (April 1–Oct. 1, 1985)

Please do not forget that your proposals should reach the Section Visiting Astronomers **before October 15, 1984.**

Applications to observe Comet Halley during Period 36 (October 1, 1985 – April 1, 1986) should also be submitted before October 15, 1984.

First QSO Spectra with EFOSC

H. Dekker and S. D'Odorico, ESO

EFOSC, the ESO Faint Object Spectroscopic Camera, will be available to users as of April 1, 1985 at the Cassegrain focus of the 3.6 m telescope.

The instrument was mounted for the first time at the telescope in June 1984 for a short test period. The optical components were not yet fully optimized, and only part of the grisms and filters were available. It was, however, possible to test successfully the instrument functions and to carry out a few observations in direct imaging and spectroscopic modes. The results prove the high efficiency and the versatility of the instrument. A full description of EFOSC will be given in a next issue of the *Messenger*.

We just report here on the spectra of two QSOs in order to provide users with a first hint of the instrument performance. Table 1 summarizes the parameters of the observations. A thinned, back illuminated, RCA CCD was used as a detector; the chip belongs to the most recent production of RCA and it appears to have good charge transfer properties. The format of the spectra is identical to that of the Boller and Chivens spectrograph plus CCD. A long slit is used so that the sky to

be subtracted can be sampled on either side of the object spectrum.

The radio source PKS 1256-220 has been identified by Condon et al. (1977) with a 20 magnitude stellar object, on the basis of an accurate radio position (the finding chart is labelled

TABLE 1: OBSERVATIONAL PARAMETERS

<i>Detector characteristic:</i>	512 × 320 pixels, 30 μm in size 40 e ⁻ /pixel read out noise	
<i>Dispersion:</i>	230 Å/mm, 7 Å/pixel	
<i>Object:</i>	12 56-22	13 34-00
<i>m_r:</i>	20	17
<i>Slit width:</i>	in arc sec	1.5
	in pixels	2.3
<i>Exposure time: (sec)</i>	1800	600
<i>Seeing: (FWHM)</i>	1.6	1.5
<i>Counts/sec./Å, at λ 5400 Å:</i>	0.24	1.31