



Fig. 2: The 1984, March 28 flare of AD Leo observed simultaneously with optical and IR photometers (lower panel), optical spectrographs (middle panel) and the IUE. The flare was also detected at 2 cm and 6 cm with the VLA. The IDS spectra S7 and S9 in the middle panel were obtained just before and during the rising phase of the main flare, respectively. In the upper panel, the quiescent IUE spectrum LWP 3027 is also shown for comparison. The IR curve shows the first evidence of a negative event in coincidence with an optical flare.

longer relaxation of energy release in $H\alpha$ than in the U-continuum. The comparison between the two selected 60-s exposure uncalibrated IDS spectra, obtained just before and during the flare-rising phase including the flare peak, is striking. They show a strong enhancement in the continuum and line flux, a broadening of CaII and Balmer emission lines, the appearance of higher members of the H Balmer series and an HeI emission line at $\lambda 4026 \text{ \AA}$. IDS spectra of 60 s were obtained during the whole event and will be presented in a subsequent paper.

The IUE LWP spectrum obtained during the last secondary optical peak shows an enhancement of the continuum, the MgII doublet and of the FeII blend ($\lambda 2600 \text{ \AA}$) that are remarkable. It is compared in Fig. 2 to a quiescent spectrum taken on March 26.

The microwave observations with the VLA show a flux of 32 mJy at 2 cm and 16 mJy at 6 cm, but no detection at

20 cm. The 2-cm event develops faster than the 6-cm one and follows rather close in time the optical light curve shape with a maximum delay of 1–2 minutes. The 6-cm event is rather slow and the two major peaks occur with 2–3 minutes delay relative to the 2-cm event. Also, the flux maximum at 6 cm is reached during the second major peak, which is fainter at all of the other wavelengths (see Rodonò et al. 1984, for more detail).

In March, 1984, several other stellar flares on AD Leo, Prox Cen and YZ CMi were also observed simultaneously from La Silla, IUE and VLA. In December 1984, we had for the first time simultaneous coverage with EXOSAT of several flares detected also in the Balmer lines with the 3.6 m + IDS. The relationship between the X-ray flux and the Balmer or HeI lines during the flare will be described in a forthcoming paper.

Conclusion

For the first time, multiband data on stellar flares were obtained over a range from 1200 \AA to 20 cm. A quantitative analysis of the flare radiation vs. λ , and of its temporal behaviour in the different spectral bands will allow to test the available flare models and to study the dynamical response of the plasma to the flare impulse from the photosphere to coronal levels. Stellar flares being sporadic and non-recurring phenomena, coordinated simultaneous multiband observations involving both satellite and ground-based facilities are essential for their study. With the present report we intend to demonstrate the importance and feasibility of such programmes.

We would like to thank ESO for letting us schedule this coordinated campaign, the La Silla staff for their efficient technical and scientific assistance, and the observers who participated in the campaign.

References

- Byrne, P. B. and Rodonò, M., (eds.) 1983, *Activity in Red Dwarf Stars*, IAU Coll. 71, Reidel, Dordrecht.
- Haisch et al., 1983, *Astrophysical Journal* **267**, 280.
- Rodonò et al., 1983, *Comm. 27, IAU, Inf. Bull. Var. Stars*, No. **2322**, April 1983.
- Rodonò et al., 1984, *Coordinated IUE and Ground Based Observations of Active Stars*, 4th European IUE Conference, ESA SP – 218, p. 247.

Visiting Astronomers

(April 1 – October 1, 1985)

Observing time has now been allocated for period 35 (April 1 – October 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

- | | |
|--------|--|
| April: | Appenzeller/Östreicher, D'Odorico/Miley, Hunger/Heber/Schönberner/Drilling, Krautter, Pottasch/Bouchet/Dennefeld/Karoji/Belfort, de Jong/Lub/de Grijp, Mouchet/Bonnet-Bidaud/Motch/Schmidler, Larsson S./Larsson B., Illovaisky/Angebault/Chevalier/Motch, Meikle/Graham/Andrews, Courvoisier. |
| May: | Courvoisier, Pottasch/Bouchet/Dennefeld/Karoji/Belfort, Balkowski/Boisson/Durret/Rocca-Volmerange, van der Hucht/The, van der Hucht/de Loore/Hoekstra, Schön- |

berner/Hunger, Ulrich/Iye, Finkenzeller/Basri, Kudritzki/Simon/Méndez, Koester/Weidemann, Baade/Danziger, Mathys/Manfroid, Mathys/Stenflo.		ziger/Tadhunter, Danziger/Binette/Matteucci, Pizzichini/Pedersen, Nelles/Elst, de Grijp/Lub/Miley, Häfner/Metz/Pietsch/Voges.
June: Mathys/Manfroid, Mathys/Stenflo, Spite, F./François/Spite, M., Gratton/Ortolani, Nesci/Cacciari, Barwig/Schoembs/Kudritzki/Ritter, Moorwood/Cetty-Véron, Azzopardi/Lequeux/Rebeirot, Brahic/Sicardi, Azzopardi/Lequeux/Rebeirot, Oliva/Moorwood.	Sept.:	Rafanelli/Schulz/di Serego Alighieri, Macchetto/Miley/Barthel, Courvoisier, Jørgensen/Hansen/Norgaard-Nielsen, Vauclair/Macchetto/Fort/Nieto/Prugnieri/Lelièvre/Perryman/di Serego Alighieri, Macchetto/Miley/Barthel, Rafanelli/Schulz/di Serego Alighieri, Jørgensen/Hansen/Norgaard-Nielsen, Sommer Larsen/Christensen, Buser/Cayrel.
July: Moorwood/Glass, Le Bertre/Epcstein/Nguyen-Q-Rieu/Sèvre, Habing/Lintel Hekkert/van der Veen, Houziaux/Heck/Manfroid, Grosbøl/Brosch/Greenberg, Azzopardi/Lequeux/Rebeirot, Alcalino/Liller, Léna/Enard/Lacombe, Zinnecker/Chelli/Perrier, Perrier/Chelli/Léna/de Muizon.		
August: Perrier/Chelli/Léna/de Muizon, Preite-Martinez/Persi/Ferrari-T./Pottasch, de Muizon/d'Hendecourt/Perrier, Pietsch/Krautter/Lewin/Pedersen/Sztajno/Trümper/van Paradijs, Danziger/Binette/Matteucci, Jörsäter/Lindblad/Athanassoula, Fosbury/Danziger/Tadhunter, Nelles/Elst, de Grijp/Lub/Miley.	April:	Kroll/Schneider/Voigt, Giovanelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Gry/Vauclair, Chincarini/de Souza/Manousoyannaki/Kotanyi, Chincarini, de Souza, Bues/Rupprecht, Fischerström/Liseau.
Sept.: Angebault/Chevalier/Hurley/Ilovaiky/Motch/Pedersen, Heckman/Miley, Butcher/Buonanno, Pizzichini/Pedersen, Shaver/Cristiani, Sol, Bergeron, Renzini/D'Odorico/Greggio, Bergeron/D'Odorico, Chmielewski/Jousson.	May:	Fischerström/Liseau, Lebertre/Epcstein/Nguyen-Q-Rieu/Sèvre, Wamsteke/Danks/Fricke, Bica/Alloin, Finkenzeller/Basri, Lindgren/Ardeberg/Maurice/Prévot, Pauls/Kohoutek, Molaro/Franco/Morossi/Ramella.

1.4 m CAT

April: Butcher, Giovannelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Reimers/Hempe/Toussaint, Ruiz/Melnick/Ortiz, Doazan/Thomas/Boudonneau, Megessier.	June:	Molaro/Franco/Morossi/Ramella, Gerbaldi/Morguleff/Pasinetti/Fracassini/Pastori/Antonello, Bouvier/Bertout, Maciel/Barbuy/Aldrovandi/Faundez, Leitherer/Stahl/Wolf/Zickgraf, Strupat/Drechsel/Haug/Böhnhardt/Rahe.
May: Megessier, Gredel/Münch, Danks/Lambert, Holweger/Steffen, Wolf/Stahl/Leitherer/Bastian, Spite, M./Spite, F./François.	July:	Strupat/Drechsel/Haug/Böhnhardt/Rahe, Giovannelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Houziaux/Heck/Manfroid, Acker/Stenholm/Lundström, Thé/Westerlund, Acker/Stenholm/Lundström.
June: Spite, M./Spite, F./François, Heske/Wendker, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Barbuy, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Leitherer/Stahl/Wolf/Zickgraf, Baade/Peters/Polidan, Baade/Ferlet.	August:	Acker/Stenholm, Lundström, Lindgren/Ardeberg/Maurice/Prévot, Fricke/Colina, Häfner/Metz/Pietsch/Voges.
July: Baade/Ferlet, Ferlet/Vidal-Madjar/Gry/Laurent, Giovannelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Crane/Mandolesi/Hegyi, Gustafsson/Andersen/Edwardsen/Nissen.	Sept.:	Richtler/Seggewiss, Heydari-Malayeri/Testor/Lortet, Hahn/Lagerkvist/Rickman.
August: Gustafsson/Andersen/Edvardsson/Nissen, Stalio/Porri/Polidan/Smith, Papoular/Catala/Felenbok, Grewing/Baessgen/Barnstedt/Gutekunst/Bianchi.		
Sept.: Lührs, Lindgren/Ardeberg/Maurice, Barbieri/Benacchio/Nota.		

2.2 m Telescope

April: Pottasch/Bouchet/Dennefeld/Karoji/Belfort, v.d. Hucht/Perryman, Perryman/Jakobsen, Rosa/Benvenuti/Savage, Motch/Courvoisier/Pedersen/Pakull/Ilovaiky, Perryman/Shaver/van Heerde/Macchetto/di Serego Alighieri, Macchetto/Miley/Perryman/Colina/di Serego Alighieri, Miley/Macchetto/di Serego A./Perryman, Bertola/Zeilinger, Ilovaiky/Angebault/Chevalier/Motch, de Waard/Miley/Schilizzi.	August:	Thé/Westerlund, de Muizon/d'Hendecourt/Perrier, Wargau/Wolterbeek, Olofsson/Bergvall, Clementini/Cacciari/Prévot/Lub/de Bruyn/Lindgren, Arlot/Thuillot/Morando/Lecacheux/Bouchet, di Martino/Zappala/Farinella/Paoletti/Cacciatori/Barucci.
May: Colina/Perryman/Kollatschny, Courvoisier, Gratton/Ortolani/Tornambé, van der Kruit/Bottema, Ulrich/Perryman/Collin-Souffrin, Möllenhoff, Krautter/Pietsch, Möllenhoff, Krautter/Frank/Sztajne.	Sept.:	di Martino/Zappala/Farinella/Paoletti/Cacciatori/Barucci, Poulain, Arlot/Thuillot/Morando/Lecacheux/Bouchet, Poulain, Richtler/Seggewiss, Arlot/Thuillot/Morando/Lecacheux/Bouchet, Hahn/Lagerkvist/Rickman.
June: Rosa/Mathis, Rosa/Benvenuti/Savage, Véron, Gathier/Atherton/Pottasch/Reay, Dettmar/Wielebinski, Moorwood/Cetty-Véron, Cetty-Véron, MPI.	April:	Schneider/Pavlovski/Maitzen, Carrasco/Loyola, Scaltriti/Busso/Cellino, Westerlund/Jørgensen (UG).
July: MPI, Lacombe/Léna/Chelli/Rouan.	May:	Westerlund/Jørgensen (UG), Lodén LO/Engberg, Schönberger/Hunger, Lodén K., Arlot/Thuillot/Morando/Lecacheux/Bouchet, Lodén K.
August: Lacombe/Léna/Chelli/Rouan, Fricke/Kollatschny/Hellwig, Pietsch/Krautter/Lewin/Pedersen/Sztajno/Trümper/van Paradijs, Jörsäter/Lindblad/Athanassoula, Fosbury/Dan-	June:	Lodén K./Arlot/Thuillot/Morando/Lecacheux/Bouchet, Antonello/Conconi/Mantegazza, Arlot/Thuillot/Morando/

1.5 m Spectrographic Telescope

April: Kroll/Schneider/Voigt, Giovanelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Gry/Vauclair, Chincarini/de Souza/Manousoyannaki/Kotanyi, Chincarini, de Souza, Bues/Rupprecht, Fischerström/Liseau.	May:	Fischerström/Liseau, Lebertre/Epcstein/Nguyen-Q-Rieu/Sèvre, Wamsteke/Danks/Fricke, Bica/Alloin, Finkenzeller/Basri, Lindgren/Ardeberg/Maurice/Prévot, Pauls/Kohoutek, Molaro/Franco/Morossi/Ramella.
May: Megessier, Gredel/Münch, Danks/Lambert, Holweger/Steffen, Wolf/Stahl/Leitherer/Bastian, Spite, M./Spite, F./François.	June:	Molaro/Franco/Morossi/Ramella, Gerbaldi/Morguleff/Pasinetti/Fracassini/Pastori/Antonello, Bouvier/Bertout, Maciel/Barbuy/Aldrovandi/Faundez, Leitherer/Stahl/Wolf/Zickgraf, Strupat/Drechsel/Haug/Böhnhardt/Rahe.
June: Spite, M./Spite, F./François, Heske/Wendker, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Barbuy, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Leitherer/Stahl/Wolf/Zickgraf, Baade/Peters/Polidan, Baade/Ferlet.	July:	Strupat/Drechsel/Haug/Böhnhardt/Rahe, Giovannelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Houziaux/Heck/Manfroid, Acker/Stenholm/Lundström, Thé/Westerlund, Acker/Stenholm/Lundström.
July: Baade/Ferlet, Ferlet/Vidal-Madjar/Gry/Laurent, Giovannelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Crane/Mandolesi/Hegyi, Gustafsson/Andersen/Edwardsen/Nissen.	August:	Acker/Stenholm, Lundström, Lindgren/Ardeberg/Maurice/Prévot, Fricke/Colina, Häfner/Metz/Pietsch/Voges.
August: Gustafsson/Andersen/Edvardsson/Nissen, Stalio/Porri/Polidan/Smith, Papoular/Catala/Felenbok, Grewing/Baessgen/Barnstedt/Gutekunst/Bianchi.	Sept.:	Richtler/Seggewiss, Heydari-Malayeri/Testor/Lortet, Hahn/Lagerkvist/Rickman.

1 m Photometric Telescope

April: Leene/Goss/Beichmann, Giovannelli/Vittone/Rossi, Bisnovaty-Kogan/Sheffer/Lamzin, Liller/Alcaino, Bues/Rupprecht, Westerlund/Jørgensen (UG), Fischerström/Liseau.	May:	Fischerström/Liseau, van der Hucht/Thé, Stanga/Natta/Lenzuni, Kollatschny/Loose, Heske/Wendker, Lebertre/Epcstein/Nguyen-Q-Rieu.
May: Megessier, Gredel/Münch, Danks/Lambert, Holweger/Steffen, Wolf/Stahl/Leitherer/Bastian, Spite, M./Spite, F./François.	June:	Lebertre/Epcstein/Nguyen-Q-Rieu, Terzan, Barwig/Schoembs/Kudritzki/Ritter, Brahic/Sicardi, Haug/Drechsel/Strupat/Rahe, Habing/Lintel Hekkert/van der Veen.
June: Spite, M./Spite, F./François, Heske/Wendker, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Barbuy, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Leitherer/Stahl/Wolf/Zickgraf, Baade/Peters/Polidan, Baade/Ferlet.	July:	Habing/Lintel Hekkert/van der Veen, Epcstein/Braz, Giovannelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Grosbøl/Brosch/Greenberg, Lebertre/Epcstein/Nguyen-Q-Rieu/Sèvre, Heck/Manfroid, Thé/Westerlund.
July: Baade/Ferlet, Ferlet/Vidal-Madjar/Gry/Laurent, Giovannelli/Vittone/Rossi/Bisnovaty-Kogan/Sheffer/Lamzin, Crane/Mandolesi/Hegyi, Gustafsson/Andersen/Edwardsen/Nissen.	August:	Lebertre/Epcstein/Nguyen-Q-Rieu, Terzan, Barwig/Schoembs/Kudritzki/Ritter, Brahic/Sicardi, Haug/Drechsel/Strupat/Rahe, Habing/Lintel Hekkert/van der Veen.
August: Gustafsson/Andersen/Edvardsson/Nissen, Stalio/Porri/Polidan/Smith, Papoular/Catala/Felenbok, Grewing/Baessgen/Barnstedt/Gutekunst/Bianchi.	Sept.:	di Martino/Zappala/Farinella/Paoletti/Cacciatori/Barucci, Poulain, Arlot/Thuillot/Morando/Lecacheux/Bouchet, Poulain, Richtler/Seggewiss, Arlot/Thuillot/Morando/Lecacheux/Bouchet, Hahn/Lagerkvist/Rickman.

50 cm ESO Photometric Telescope

April: Schneider/Pavlovski/Maitzen, Carrasco/Loyola, Scaltriti/Busso/Cellino, Westerlund/Jørgensen (UG).	May:	Westerlund/Jørgensen (UG), Lodén LO/Engberg, Schönberger/Hunger, Lodén K., Arlot/Thuillot/Morando/Lecacheux/Bouchet, Lodén K.
May: Colina/Perryman/Kollatschny, Courvoisier, Gratton/Ortolani/Tornambé, van der Kruit/Bottema, Ulrich/Perryman/Collin-Souffrin, Möllenhoff, Krautter/Pietsch, Möllenhoff, Krautter/Frank/Sztajne.	June:	Lodén K./Arlot/Thuillot/Morando/Lecacheux/Bouchet, Antonello/Conconi/Mantegazza, Arlot/Thuillot/Morando/
June: Rosa/Mathis, Rosa/Benvenuti/Savage, Véron, Gathier/Atherton/Pottasch/Reay, Dettmar/Wielebinski, Moorwood/Cetty-Véron, Cetty-Véron, MPI.		
July: MPI, Lacombe/Léna/Chelli/Rouan.		
August: Lacombe/Léna/Chelli/Rouan, Fricke/Kollatschny/Hellwig, Pietsch/Krautter/Lewin/Pedersen/Sztajno/Trümper/van Paradijs, Jörsäter/Lindblad/Athanassoula, Fosbury/Dan-		

	Lecacheux/Bouchet, Antonello/Conconi/Mantegazza, Carrasco/Loyola, Haug/Drechsel/Strupat/Rahe.	Sept.: Andersen/Nordström, Jørgensen/Hansen/Nørgaard-Nielsen, Imbert/Andersen/Nordström/Ardeberg/Lindgren/Mayor/Maurice/Prévet.
July:	Haug/Drechsel/Strupat/Rahe, Arlot/Thuillot/Morando/Lecacheux/Bouchet, Thé/Westerlund, Arlot/Thuillot/Morando/Lecacheux/Bouchet.	
August:	Arlot/Thuillot/Morando/Lecacheux/Bouchet, Carrasco/Loyola, Schober/Surdej A. and J./Michałowski, Häfner/Metz, Pietsch/Voges.	
Sept.:	Häfner/Metz, Pietsch/Voges, di Martino/Zappala/Farinella/Paolicchi/Cacciatori/Barucci, Arlot/Thuillot/Morando/Lecacheux/Bouchet, di Martino/Zappala/Farinella/Paolicchi/Cacciatori/Barucci, Hahn/Lagerkvist/Rickman, Arlot/Thuillot/Morando, Lecacheux/Bouchet, Debehogne/Zappala/de Sanctis.	

GPO 40 cm Astrograph

April:	Goossens/Waelkens.
May:	Bässgen/Grewing/Kappelmann/Krämer, Goossens/Waelkens.
June:	Goossens/Waelkens.
July:	Goossens/Waelkens.
Sept.:	Debehogne/Machado/Caldeira/Viera/Netto/Zappala/de Sanctis/Lagerkvist/Mourao/Tavares/Nunes, Protitch-B./Bezerra.

1.5 m Danish Telescope

April:	Alcaíno/Liller, de Jong/Lub/de Grijp, Motch/Ilovaisky/Chevalier/Pedersen/Pakull/Beuermann, Mouchet/Bonnet-Bidaud/Motch/Schmider, Larsson S./Larsson B., de Souza/Chincarini, Boisson/Reid.
May:	Reiz, Teuber/Nielsen/Johansen, Schuster/Nissen.
June:	Pedersen, Fusi Pecci/Battistini/Bonoli/Federici, Ortolani/Gratton, Lebertre/Epcstein/Nguyen-Q-Rieu/Sèvre, Rosino/Ortolani, Leitherer/Stahl/Wolf/Zickgraf, Pedersen.
July:	Pedersen, Veillet, Acker/Maurice/Prévet, Lindgren/Ardeberg/Maurice/Prévet.
August:	Lindgren/Ardeberg/Maurice/Prévet, Andersen/Nordström/Olsen, Mayor/Mermilliod, Clementini/Cacciari/Prévet/Lub/de Bruyn/Lindgren, Andersen/Nordström.

50 cm Danish Telescope

April:	Schuster/Nissen
May:	Lindgren/Ardeberg/Maurice/Prévet, Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze.
June:	Foing/Bonnet/Crivellari/Beckman/Galleguillos/Lemaire/Gouttebroze, Baade/Ferlet.
July:	Baade/Ferlet.
August:	Lindgren/Ardeberg/Maurice/Prévet, Group for Long Term Photometry of Variables.
Sept.:	Group for Long Term Photometry of Variables, Grenon/Hög/Petersen.

90 cm Dutch Telescope

April:	van Roermund, de Loore/Monderen, Pakull/Beuermann/Weißsieker/Reinsch.
May:	Pakull/Beuermann/Weißsieker, Reinsch, Roobek.
June:	Roobek, Trefzger/Pel/Blaauw, Gathier/Atherton/Pottasch/Reay, de Zeeuw/Lub/de Geus/Blaauw.
July:	de Zeeuw/Lub/de Geus/Blaauw, de Geus, van Amerongen.
August:	Thé/Westerlund, v. Amerongen/v. Paradijs, Courvoisier.

61 cm Bochum Telescope

April:	Hanuschik.
May:	Hanuschik, Kohoutek, Group for Long Term Photometry of Variables.
June:	Group for Long Term Photometry of Variables.
July:	Group for Long Term Photometry of Variables.
August:	Group for Long Term Photometry of Variables, Grewing/Bässgen/Barnstedt/Bianchi/Gutekunst.
Sept.:	Grewing/Bässgen/Barnstedt/Bianchi/Gutekunst, Kiehling.

Serendipitous Discovery of a High Redshift Quasar

M. Azzopardi, ESO

Within the framework of our survey of carbon stars (C stars) in dwarf spheroidal galaxies (Azzopardi and Westerlund, 1984, *The Messenger* **36**, 12), the Carina galaxy was observed on November 2, 1983 at La Silla. A very good quality 2-hour-exposure plate was obtained at the prime focus of the 3.6 m telescope, using the triplet corrector, the Hoag Grism R35 and a GG435 filter (see Breysacher and Lequeux, 1983, *The Messenger* **33**, 21). The GG435 filter, in combination with the Illa-J emulsion in order to reduce the instrumental spectral domain to the useful range 4350–5300 Å, allows one to reduce the crowding. The plate was searched systematically using a binocular microscope with small magnification. This allowed us to identify 6 out of the 7 C stars listed by Mould et al. (1982, *Astrophysical Journal* **254**, 500) plus 4 new candidates and one dubious (Azzopardi, Lequeux and Westerlund, 1984, ESO preprint No. 345).

These five newly discovered C star candidates were observed with the Cassegrain Boller and Chivens spectrograph and a CCD camera (CID 53612) at the ESO 3.6 m telescope during the nights of November 23–24, 1984 and January 19–21, 1985. A 400 line/mm grating, blazed at 5400 Å, was used in the first order (171 Å mm^{-1}). The slit aperture measured 2 arcseconds, giving a final resolution of 8 Å (FWHM). The observations allowed us to confirm as C stars the candidates Nos. ALW 1, 2 and 3 and to classify as a late M dwarf the dubious candidate ALW 5 according to the library of stellar spectra by Jacoby et al. (1984, *Astrophysical Journal Suppl.* **56**, 257).

Surprisingly, the object ALW 11, which was somewhat far from the central regions of Carina, turned out to be a quasar. Fig. 1 gives the identification chart. Its 1950.0 position is $\alpha = 6^{\text{h}}42^{\text{m}}13^{\text{s}}.40$, $\delta = -50^{\circ}38'07".1$ and a rough estimate of its