Thomas A. Barlow
Bibliography:

Papers:

Arav, N., Blandford, R., and Barlow, T. A. 1996, "Keck High Resolution Spectroscopy of Mrk 335: Constraints on the Structure of the Broad Line Region in AGNs," *in preparation.*

Barlow, T. A. and Junkkarinen, V. T. 1996, "Keck High Resolution Spectroscopy of the Broad Absorption-Line QSO CSO 755," *in preparation.*

Rauch, M., Sargent, W. L. W., Womble, D. S., and Barlow, T. A. 1996, "Temperature and Kinematics of C IV Absorption Systems," *submitted to ApJ Letters.*

Lu, L., Sargent, W. L. W., and Barlow, T. A. 1996, "Abundances at High Redshifts: the Chemical Enrichment History of Damped Lyman-alpha Galaxies," *accepted to ApJ.*

Hamann, F., Barlow, T. A., and Junkkarinen, V. 1996, "Time-Variable Intrinsic Absorption Lines in the QSO Q2343+125," *submitted to ApJ.*

Hamann, F., Barlow, T. A., Beaver, E. A., Burbidge, E. M., Cohen, R. D., Junkkarinen, V., and Lyons, R. 1996, "High Resolution Spectra of Intrinsic Absorption Lines in the QSO UM 675," *submitted to ApJ.*

Barlow, T. A. and Sargent, et al. 1996, "Keck HIRES Spectra of PKS 0123+2543: Intrinsic Absorption in a Radio Loud Quasar," *submitted to AJ.*

Lu, L., Sargent, W. L. W., Womble, D. S., and Barlow, T. A. 1996, "Properties of a High-Redshift Galaxy at z=4.4," *Astrophys. J. Letters*, **457**, L1.

Cohen, R. D., Beaver, E. A., Diplas, A., Junkkarinen, V. T., Barlow, T. A., and Lyons, R. W. 1996, "A 21 Centimeter Absorber Identified with a Spiral Galaxy: Hubble Space Telescope Faint Object Spectrograph and Wide-Field Camera Observations of 3CR 196," *Astrophys. J.*, **456**, 132.

Arav, N., Korista, K. T., Barlow, T. A., and Begelman, M. C. 1995, "Radiative Acceleration of Gas in Quasars," *Nature*, **376**, 576.

Hamann F. W., Barlow, T. A., Beaver, E. A., Burbidge, E. M., Cohen, R. D., Junkkarinen, V. T., and Lyons, R. W. 1995, "Ne VIII λ774 and Time Variable Associated Absorption in the QSO UM 675," *Astrophys. J.*, **443**, 606.

Cohen, R. D., Barlow, T. A., Beaver, E. A., Junkkarinen, V. T., Lyons, R. W., and Smith, H. E. 1994, "Conditions in the z=0.692 Absorber Towards 3CR 286," *Astrophys. J.*, **421**, 453.

Barlow, T. A., Junkkarinen, V. T., Burbidge, E. M., Weymann, R. J., Morris, S. L., and Korista, K. T. 1992, "Broad Absorption-Line Time Variability in the QSO CSO 203," *Astrophys. J.*, **397**, 81.

Barlow, T. A., Junkkarinen, V. T., and Burbidge, E. M. 1989, "Variability of the Broad Absorption Lines in the QSO UM 232," *Astrophys. J.*, **347**, 674.

Abstracts and Conference Summaries:

Lu, L., Sargent, W. L. W., and Barlow, T. A. 1995, "The Chemical Enrichment History of Damped Lyman-alpha Galaxies," in *Cosmic Abundances*, preceedings of the 6th Annual October Astrophysics Conference in Maryland, in press.

Hamann, F., Beaver, E. A., Burbidge, E. M., Cohen, R. D., Junkkarinen, V. T., Lyons, R., and Barlow, T. A. 1995, "Metal Abundances and Ionization in QSO Intrinsic Absorbers," *B.A.A.S.*, **27**, 1412 (abstract).

Hamann, F., Beaver, E. A., Burbidge, E. M., Cohen, R. D., Junkkarinen, V. T., Lyons, R., Barlow, T. A., and Shields, J. C. 1995, "Comparisons of Abundances Derived from Quasar Emission and Absorption Lines," *B.A.A.S.*, **27**, 871 (abstract).

Junkkarinen, V. T., Beaver, E. A., Burbidge, E. M., Cohen, R. D., Hamann, F., Lyons, R. W., and Barlow, T. A. 1995, "A Probable Overabundance of Phosphorus in the Broad Absorption Line Region of the QSO PG 0946+301," *B.A.A.S.*, **27**, 872 (abstract).

Barlow, T. A. 1995, "Keck HIRES Observations of Intrinsic QSO Absorption Systems," *B.A.A.S.*, **27**, 872 (abstract).

Hamann, F. W., Barlow, T. A., Beaver, E. A., Burbidge, E. M., Cohen, R. D., Junkkarinen, V. T., and Lyons, R. W. 1994, "Time Variable Associated Absorption in the QSO UM 675," *B.A.A.S.*, **26**, 875 (abstract).

Diplas, A., Cohen, R. D., Barlow, T. A., Beaver, E. A., Junkkarinen, V. T., and Lyons, R. W. 1994, "HST/FOS UV and WFPC II Observations of 3CR 196," *B.A.A.S.*, **26**, 959 (abstract).

Barlow, T. A. 1994, "Time Variability of Broad Absorption-Line QSOs," *P.A.S.P.*, **106**, 548 (dissertation summary).

Junkkarinen, V. T., Barlow, T. A., and Cohen, R. D. 1993, "An X-Ray Loud Low Redshift QSO Near the BALQSO UM 232," *B.A.A.S.*, **25**, 1445 (abstract).

Barlow, T. A. 1993, "Time Variability of Broad Absorption-Line QSOs," *B.A.A.S.*, **25**, 1381 (dissertation abstract).

Barlow, T. A. and Junkkarinen, V. T. 1993, "Optical Broadband Time Variability of a Sample of BALQSOs," *B.A.A.S.*, **25**, 792 (abstract).

Barlow, T. A., Junkkarinen, V. T., Burbidge, E. M. 1992, "Variable Broad Absorption-Lines in the QSO H 0846+1540," *B.A.A.S.*, **24**, 1135 (abstract).

Junkkarinen, V. T., Barlow, T. A., Beaver, E. A., Burbidge, E. M., Cohen, R. D., Lyons, R. W., and Korista, K. T. 1992, "HST/FOS Observations of the Bright BALQSO PG 0946+301," *B.A.A.S.*, **24**, 1135 (abstract).

Cohen, R. D., Barlow, T. A., Beaver, E. A., Burbidge, E. M., Junkkarinen, V. T., and Lyons, R. W. 1992, "HST/FOS Observations of the QSO PG 1522+101," *B.A.A.S.*, **24**, 1136 (abstract).

Barlow, T. A., Junkkarinen, V. T., Burbidge, E. M., Weymann, R. J., Morris, S. L., and Korista, K. T. 1991, "Broad Absorption-Line Time Variability in the QSO CSO 203," *B.A.A.S.*, **23**, 1425 (abstract).

Barlow, T. A., Junkkarinen, V. T., and Burbidge, E. M. 1989, "Absorption-Line Variations in the BALQSO UM 232," *B.A.A.S.*, **21**, 755 (abstract).

Burbidge, E. M., Barlow, T. A., Cohen, R. D., Junkkarinen, V. T., and Womble, D. S. 1989, "Extent of Warm Haloes Around Medium-Redshift Galaxies," *Astrophys. and Space Sci.*, **157**, 263.

Burbidge, E. M., Barlow, T. A., Cohen, R. D., and Womble, D. S. 1987, "A Cluster of Three QSOs with Redshift > 2," *B.A.A.S.*, **19**, 1125 (abstract).

Barlow, T. A. and Burbidge, E. M. 1987, "Recent Observations of C IV Absorption in the Broad Absorption-Line QSO PHL 5200," *B.A.A.S.*, **19**, 1125 (abstract).