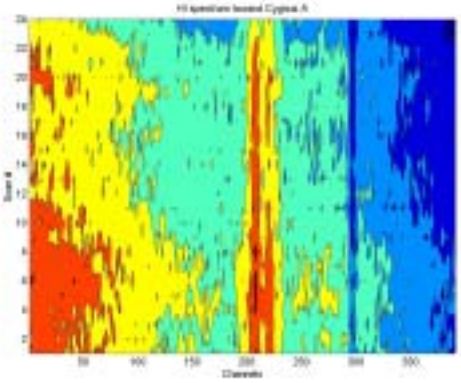
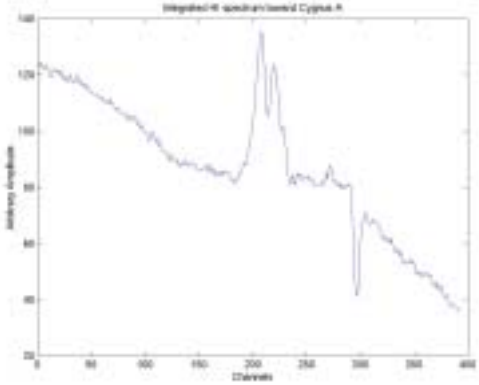
Radio Astronomy Supplies
SpectraCyber
1420 MHz Spectrometer

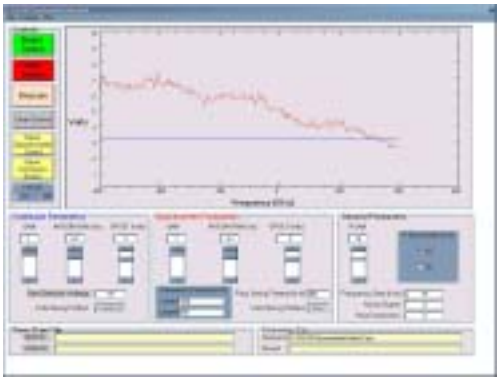
Radio Astronomy Supplies introduced the research grade "SpectraCyber " [TM] in late 1999 (Designed by Carl Lyster (RAS). Since then, some of our most prestigious educational facilities (US and Foreign) have used this instrument with great success!

This triple conversion spectrometer covers the rest frequency of Hydrogen +/- .5 MHz. In addition, the computer controlled display shows both spectral and continuum channels. Coupled with the Windows Software (developed by Dr. John Bernard-*not shown here*), this instrument leaps to another dimension! WD5AGO LNA and Feedhorn is included!

Actual observations of Cygnus A done by, Charles Osborne, at the Pisgah Astronomical Research Institute (PARI), and David Moffet (Furman Univ) (*Courtesy of PARI*).

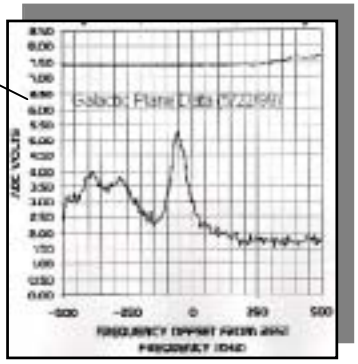






Four SpectrCybers at PARI

Hydrogen Line Scan by Carl Lyster (PARI) (15 Foot Dish)



Specifications

**** Crystal controlled first and second local oscillators.***
**** Computer controlled synthesized third local oscillator.***
**** Receiver N.F. approx. 1.0 dB.***
**** Continuum channel bandwidth 15 MHz.***
**** Final spectral channel bandwidth 10 KHz.***
**** All electronics and power supply contained in one 19 inch rack.***
**** Connection to IBM compatible CPU via RS-232.***
**** Full control of gain, integration and offset for each channel.***
**** Our Famous WD5AGO LNA (28 dB Gain @ .37 dB NF).***
**** Cylindrical L Band Feedhorn.***
**** Full detailed instructions.***
**** Fully guarenteed.***

Note: Power and Antenna cables not included. (9913 Coax Recommended)

(ALLOW 90 DAYS DELIVERY FROM THE TIME WE RECEIVE YOUR ORDER)

PRICE: $2580.00

(Shipping Costs: $65.00 FEDEX US / $250.00 FEDEX Foreign)

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