

1993 SSTV UPDATE

By Tom Hibben KB9MC

Much has happened in the last year and I thought it timely to report on all aspects of SSTV as it exists today. Do to space limitations the following is only a brief overview of existing, new and updated versions of SSTV related software and hardware

DEDICATED SCAN CONVERTERS:

ROBOT 1200C:

Robot Research Corporation, 5G36 Ruffin Rd. Sandiego CA 92123. Phone: 619 279 9430. Robot has ended production of the 1200C but will continue to service Ham related Robot equipment.

SERVICE REPAIR & MODIFICATIONS: Contact: Rick Hollis, 328 Whispering Leaves Lane, Sante CA 92071. Phone: 619 449 8729. All Robot Ham related equipment except 70's & 80"s. Also EPROM modifications for Robot 1200C and Clones. Flat fee of \$50.00 labor plus parts and two way shipping. 72 HR turn-around or labor free!

HANDBUCH SC-2 SSTV/FAX CONVERTER:

From Wraase Electronic, Kronsberg 10, D-2300 Altenholz/Keil, Germany. Phone +0431-32528, FAX +0431-32579. Cost DM 2950.00 _ \$1800.00 U.S.

LM9000C Scan Converter:

Robot Clone Kit. 10 sets of boards are still available through John Wilson VK3LM, R.M.B 421A, Tallengata Valley 3701 Australia. Cost: _ \$375.00 U.S. User parts _ \$450.00

DFM 1200 USA Scan Converter:

Robot Clone Kit. Three boards, total cost of

\$98.00 U.S. plus shipping, are available from Munaki Yamafuzi JF3JOH, PO Box 670, Osaka 531, Japan. Several hard to find chips and components add about \$50.00. Cost to build including boards aproximately \$600.00. For further info contact Felipe Rojas AB4QC, 3475 Shady Woods Circle, Lawrenceville, GA 30244. PH: 404 717 0123 or Donald Lucarell, 265 Outlook, Youngstown, OH 44504. PH: 216 746 2507.

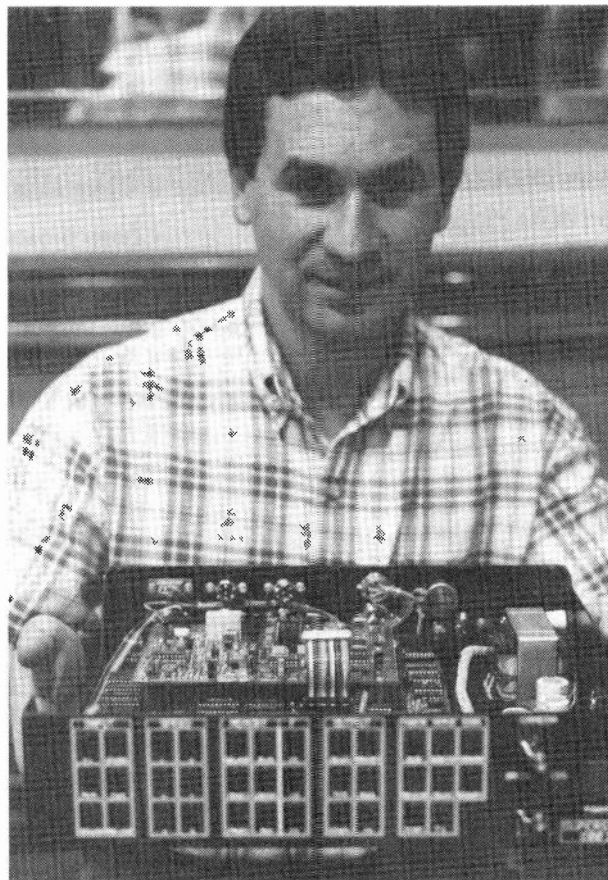
SUPERSCAN 2001:

New state of the art scan converter Kit. From Jad Bashour, 55 Brampton Road, London N15 3SX England. Phone: Jad +44 81809 3911, Martin +44 81462 4223. Kit includes 3 boards, mouse interface and special Martin Emmerson EPROM. Kit cost \$475.00 U.S. including shipping. Kit including case \$600.00. Add _ \$150.00 for hard to find components and hardware. Estiated cost of user supplied components \$300.00.

SSTV-202 SSTV SYSTEM

A totally new system design by Mr. Nishamura JA6UHL using Digital Signal Processing for far superior

SSTV operation. Currently functions only with NEC computer and supports only Robot modes. IBM interface modification and other modes will be added soon. Cost assembled will be approximately \$550.00 U.S. plus shipping!



STAND ALONE COMPUTER SSTV SYSTEMS:

Amiga AVT MASTER:

For Commodore Amiga Computers. From Advanced Electronic Applications Inc. Box C12G0 Lynnwood, WA 98036. Cost \$319.00. PH. 20G 774 5554. Newest Software and updates available from Black Belt Systems, 398 Johnson Rd. RR#1 Box 4272 Glasgo, MT 59230. Additional AREXX support software is available from Michel Darneille, 16G05 SW Write St., Aloha OR 97007.

SSTe 4:

For Atari STe computer. Assembled/Tested Hardware & Software available from Bob Gendron VE2BNC, 6025 Brodeur Cr., Brossard, Quebec J4Z1Y8 Canada. Cost \$139.00 U.S. plus shipping Listen for Atari User Net on Sundays at 1G00 Z on 14.325. Net Control is Dave KD7VA.

VIEWPORT VGA COLOR SSTV:

For IBM PC/AT compatibles, 80286 or faster. External hardware interface available from A & A Engineering, 2521 W. LaPalma, Unit #K, Anaheim CA 92801. Cost Complete Kit \$169.95. Assembled & Tested Unit \$229.95. Both include ViewPort VGA software by John Montalbano, KA2PYJ, 10G46 10Gth Place, Carmel IN 4G033. For more information see Aug. '92 issue of 73. System also now includes HIGH RESOLUTION FAX capability with the addition of hardware & software by Dr Ralph Taggart. Present owners can receive hardware add-on and software at a cost of \$20.00. See the February '93 issue of QST for further details.

PASOKON TV:

For IBM PC/AT compatibles, B028G or faster. From John Langner WB20SC, 115 Stedman St. #Q, Chelmsford, MA 01824. Internal computer plug-in card plus software. Cost: Kit \$199.95 including shipping. Add \$30.00 for assembled & tested unit. Foreign orders add \$15.00 for shipping. For further details see the January '93 issue of QST.

PC SSTV:

For IBM/AT compatibles, 8038G or faster. From SSC Software Systems Consulting, G15 S. Camino Real, San Clemente, CA 92G72. Phone 714-498-5784. Cost \$149.95 plus shipping.

SLOW SCAN TV

for the SOUND BLASTER:

For IBM/AT compatibles, 8028G or faster and VGA monitor with 640 X 480 256 color display. Requires Creative Labs Inc. Sound Blaster card costing \$150.00. Software available from Harlan Technologies, Gene Harlan WB9MMM, 5931 Alma Drive, Rockford IL G1108. Ph. 815 398 2G83. Currently Black & White 8 second receive only. Cost \$20.00. Most modes and speeds and several transmit modes should be ready by Dayton. Complete Color and Transmit functions will follow by the end of the year. Also available through compuserve: GO HAMNET, Library 6, SLOWSCAN.ZIP. Also in the future: Software for fax, rtty, morse

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**PC SSTV & Frame Grabber
-Software Systems Consultiny.**

For IBM/AT compatibles, PC-SSTV modem and software (Ver 5.1) real time view and serial port interface \$149. Frame Grabber 640 x 480 18 bit color 1130 second, parallel printer port interface and software (GIF, TIF & PCX) \$199. Both units bundle pkg. \$299. 615 So. El Camino Real, San Clemente, CA 92672-Phone 714 498 5784, FAX 714 498 0568.

**COMPUTER CONTROL & PROCESSING
SOFTWARE
for ROBOT 1200C:**

IMB Compatibles:

Requirements: Robot 1200C or clone with Martin EPROM and 4 memory mod, 640K RAM minimum, 80286 CPU or faster, (Math coprocessor optional but highly recommended), MSDOS 3.0 or higher (3.3 or 5.0 preferred), Microsoft mouse or fully equal, VGA color monitor, and 24 bit Address selectable I/O interface card with cable. I/O cards available from:

PIO-12 I/O Card

from Keithley MetraByte, 440 Myles Standish Blvd., Taunton, MA 02780 Phone: 508-880-3000. Cost: \$160.00.

CIO-DIO 24 (PIO-12 Clone)

from Computer Boards Inc. 44 Wood Ave. Mansfield MA 02048.

Canadian I/O Card

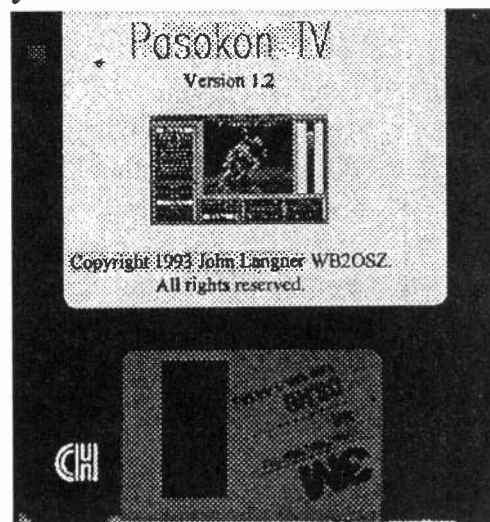
from Brian Summers VE3DUO, 33 Goodram Drive, Burlington Ontario L7L 2K1 Canada. Phone: 416 637 9622. Cost \$79.00 including shipping.

M. Emmerson I/O Card,

6 Mounthurst Road, Hayes, Bromley, Kent BR2 7QN, England. Cost \$120.00.

"HIGH-RES":

Latest Software Version 1.8 by Tom Jenkins N9AMR, Computer Systems Intl., 5968 S. Keystone Ave., Indianapolis IN 46227. Phone 317-784-6118. Cost \$75.00 and \$3.00 and original disk for each future upgrade. Also in development and about 90% complete is "HIGH-RES32", software to support VIEWPORT VGA and PASOKON TV as described above.



"GEST"

Latest Version available through Torontel Technology Systems Ltd. 94 Sackville Street, Suite A, Toronto, Ontario, Canada M5A 3E7 or Brian Summers, 336 Goodram Dr., Burlington Ont. L7L 2K1. Phone 416 637 9622. Cost: \$75.00. Also there may be future development of software to support the Pasokon system.

"SCAN":

Version 6.5 from Bert Beyt W5ZR, 301 Tampico St., New Iberia LA 70560. Ph. 318 365 5263

"SSTV BY KC6VC":

Final Version 3.9R available through Garnet Bebermeyer WBOUND, 15 Alameda Court, Fenton MO 63026.

"IMAGE"

Current version available from George D. (Dick) Isley WD9GIG, 746 Fellows St., St. Charles IL 60174. Phone 708-5843510. New version is under development. Some thought is being given to development of software supporting some of the new stand-alone SSTV computer systems.

"A R T Amiga Robot Terminal":

Latest Version 1.14 for the Commodore Amiga 500/2000/3000 Computer and the Robot 1200C. Available from Tom Hibben KB9MC, Box 188 Mule Hollow Road, DeSoto WI 54624. Phone 608-6482033. Cost for complete package including custom Parallel Interface Hardware, all cables and software and docs is \$190.00 including shipping.

EPROMs for the Robot 1200C:

EPROM Version 4.2A.

from Martin Emmerson, 6 Mounthurst Road, Hayes, Bromley, Kent BR2 7QN England. Phone: 01144 81462 4223. Additions include the DX Mode, new Wraase SC2 Modes, a Tuning Oscilloscope and Tone Generator for perfect frequency alignment, a much improved startup system eliminating color shifting, and finally a new Automatic Speed Selection feature eliminating the problems with lost VIS startup! Cost: Upgrade from V 4.0 = \$80.00. Upgrade from older versions V2.1, V2.2, V2.3, or V2.4 = \$120.00. New user = \$160.00. Ver. 4.2 upgrade to Ver. 4.2A \$20. Also available: Accurate (± 10 ppm) Oscillator board. Cost \$70.00.

Dual EPROM SCOTTIE GLOBEMASTER PROFESSIONAL VERSION 3.6/3.7 DX ESP

from Eddy J. Murphy GM3SBC, 65 Silver Knowes Crs., Edinburgh, Scotland EH4 5JA. Phone 01144 31312 7288. New Features: Advanced Low Signal to Noise VIS Code, DSP software control, Auto QRM Deccorrelation, Advanced Real Time Processors & QRM Post Processor, Frequency Analyzer and Alignment, and Pseudo Moving Pictures (with simultaneous sound using external filter). New system includes: Upgraded & reprogrammed V3.6 EPROM, New V3.7 EPROM, a Digital Signal Processing chip, a Small Gating IC chip, Documentation and shipping. Scottie Member Upgrade Cost: \pm \$185.00. EPROMs may be stacl-ed or installed on the SCOTTIE MULTIEPROM BOARD from John Wilson VK3LM. Cost: \$150 to \$200 with or without Mouse interface & LED display. Contact Eddie Murphy for New User Cost. 100 orders must be received world wide or all Payments will be refunded.

Edge Of Space Sciences National Balloon Symposium

August 20, 21, & 22, 1993 Denver, Colorado

EOSS

Edge Of Space Sciences is a non-profit organization committed to promoting science and education through amateur radio and high altitude balloons. EOSS members will host the first National Balloon Symposium to enable balloonist to share ideas, experiences and general wisdom. The resultant proceedings will be published and made available for wide distribution.

Location

The Symposium will be held at the Holiday Inn, Denver International Airport located at I-70 East and Chambers Road. Reservations can be made directly with the hotel at (303) 371-9494. Mention EOSS for special rates.

When

The symposium will be held August 20-22, 1993. Friday evening activities will include a hospitality event for

payload displays, launch videos and socializing. On Saturday, papers will be presented by nationally prominent balloon experimenters, educators, scientists and authors. EOSS will host a luncheon and a banquet for symposium registrants on Saturday. Sunday, weather permitting, EOSS will conduct a balloon launch and recovery of our new EOSS Balloon Shuttle.

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