NEW SCHOOL present

School present

Performers:
Frank Gellesworth
Malcolm Gotthardt
Carol Berge
Philip Comer
Joavan A
david Behrman
Yapp Sambou
kieki$hiomi
Dick Higgins
Peter Moore
In my two previous essays on this subject (Decollage No. 4 and Fluxus Newspaper No. 3), I treated the aesthetical aspects of the electronic TV experiments and its relation to electronic music. This essay will mainly be a technical report.

I COLOR TV EXPERIMENT
A Three tape-recorders are added to the convergence-circuit, so that convergence-circuit is modulated over the waves from the tape-recorders... Any black & white image gets random picture. (Point A.B.C. at circuit diagram)
B Three TV cameras are fed to each cathode of red, green, blue electro-guns of the color picture tube, so that one shadow mask picture tube shows three different images of three colors at one time. The brightness of the three images is controlled by the amplitude of three tape-recorders at the reversed phase. (Point E.F.G.)

II BLACK & WHITE TV EXPERIMENTS
A The picture is changeable in three ways with hand switches.
   Upside-Down; Right-Left; Positive-Negative.
B The screen can become larger and smaller in vertical and horizontal dimensions separately according to the amplitude of the tape-recorder.
C Horizontal & vertical deflection of normal TV is changed into the spiral-deflection. Any normal square image is varied into a fan-form. (Special Yoke-oscillator-amplifier is made for it.)
D A TV screen (negative) in match-box size.
E TV picture is "disturbed" by strong demagnetizer, whose place and rhythm give rich variety.

These experiments were made in Tokyo in 1963-64 with technical help of Mr. SHUYA ABE & Mr. HIDEO UCHIDA, whose ability and creativity I cannot emphasize too much. My cooperation with these top engineers broadened and changed my Lebensanschauung.

III The following is a recapitulation of my first show in Galerie Parnass in March, 1960, Wuppertal, Germany.
A A relay is intercepted at the grid of Video-output tube so that the screen is visible only when the relay is connected. (Point H on circuit) It is controlled by the amplitude of the radio or tape-recorder.
B A relay is intercepted at the A/C 110 volt input and fed by a 25 watt amplifier without rectifier. Unsymmetrical sparks are seen on screen.
C 10 meg ohm resistor is intercepted at the grid of the vertical output tube and then the waves from the generator are fed here, so that both waves interfere and modulate with each other. (Point I)
D The waves from the tape-recorder are fed to the horizontal output tube's grid, so that horizontal lines are warped according to the tape-recorder's frequency and amplitude. (Point J)
E The vertical output tube is cut out; you see only one straight line.

Professor K. O. Goetz of the Kunstakademie in Düsseldorf, Germany has published since 1970 on the idea of feeding the Kathode of the TV picture tube with a computer. This idea has not been realized, because he could not get a computer and our largest computer is still too slow to send 4 million points in each one 50th second. Although this idea and my method are completely different, I want to pay due respect. Also, TV-decollage of W. Vostell (Smolin Gallery, N. Y. C., 1971) shows rich possibilities of combinations of TV and hetero-TV elements. ("Shoot the TV," "Bury the TV," "TV behind canvass," "TV blur" etc.) Knud Wiggen is--hopeful--working to establish an electronic TV studio in Stockholm. I hope for financial help from foundations for us all.