

Schober Organ Notes No. 59

Disclaimer: We accept no responsibility for any unfavorable consequences resulting from following our advice

OVERTURE

This is the first opportunity to wish all of you a Happy New Year; so,

HAPPY NEW YEAR!

It seems that we all survived Y2K, the biggest nonevent ever. I have to admit that in the last day or so before December 31, 1999, I did make sure that I had a week's worth of groceries in the house and I filled a few vessels with water. Fortunately it was in vain. Now the flu is a real concern. I sure hope that all of you are well and if you did catch it, that you got over it without suffering too much.

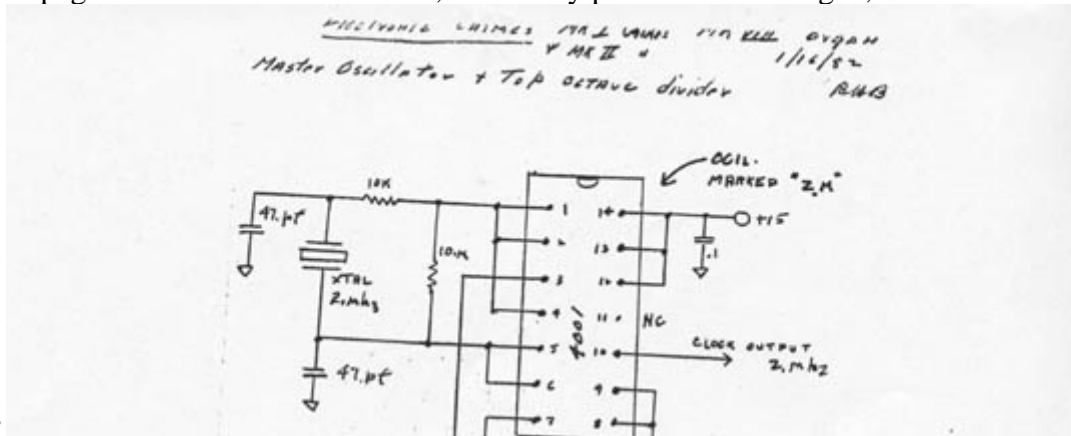
In ON 58 I asked if there was any interest in getting the "puff of air" preset systems to work again. There was a positive response, so when I made a trip to Vermont I picked up the materials I had bought previously to try and make the little air bags that operate the stop switches. I will have something about either success or failure in ON 60. ak

CHIMES

Bob Bainbridge and his Fabulous Robertone MK-8 was the "portrait" article in ON 53. The electronic chimes he designed for this organ were briefly mentioned in that article. Here is a little more about them.

The unit is designed around a Top Octave Divider (TOG), in this case a 50240 IC. These were common and cheap-Schober used them in their IC Tone Generator. They are still available, but not so cheaply, from Keyboard Systems. This entire chime, though, could be built quite inexpensively. Bob used a 4001 IC and a 2MHz crystal as a master oscillator. He fed the output from this to the 50240 TOG. Then each tone from octave 8 (except the second or higher C) is fed to one of twelve 4024 IC's and divided into seven more octaves. So, octave 1-7 is available from the outputs of the 4024 IC's. Octaves 3, 4, 5, 6 and 7 are used in Bob's design. A combination of four of these tones makes a "chime" sound. For example, for a C5 chime, the following notes are used: C5 the fundamental, E4 hum tone, G5 fifth above fundamental, C6 overtone. These four tones have to be switched, and Bob uses 1N4184 diodes for switching. The four tones are then combined in a TLO84 IC mixer amplifier/shaper. The output is fed to a 3340 IC amplifier, which is also used as an on/off switch, via a stop tab. (See partial schematic, page 3) Bob has 15 pages of charts and schematics, some only pertinent to his organ, that I will be

glad to send you for a SASE with 55¢ postage, plus two loose 33¢ stamps. If you have some electronic knowledge,



you will be

able to figure things out and build this chime. I have a recording of Bob's Robertone MK-8 and the chimes (as well as the rest of the organ) sound just great.

PEDALS

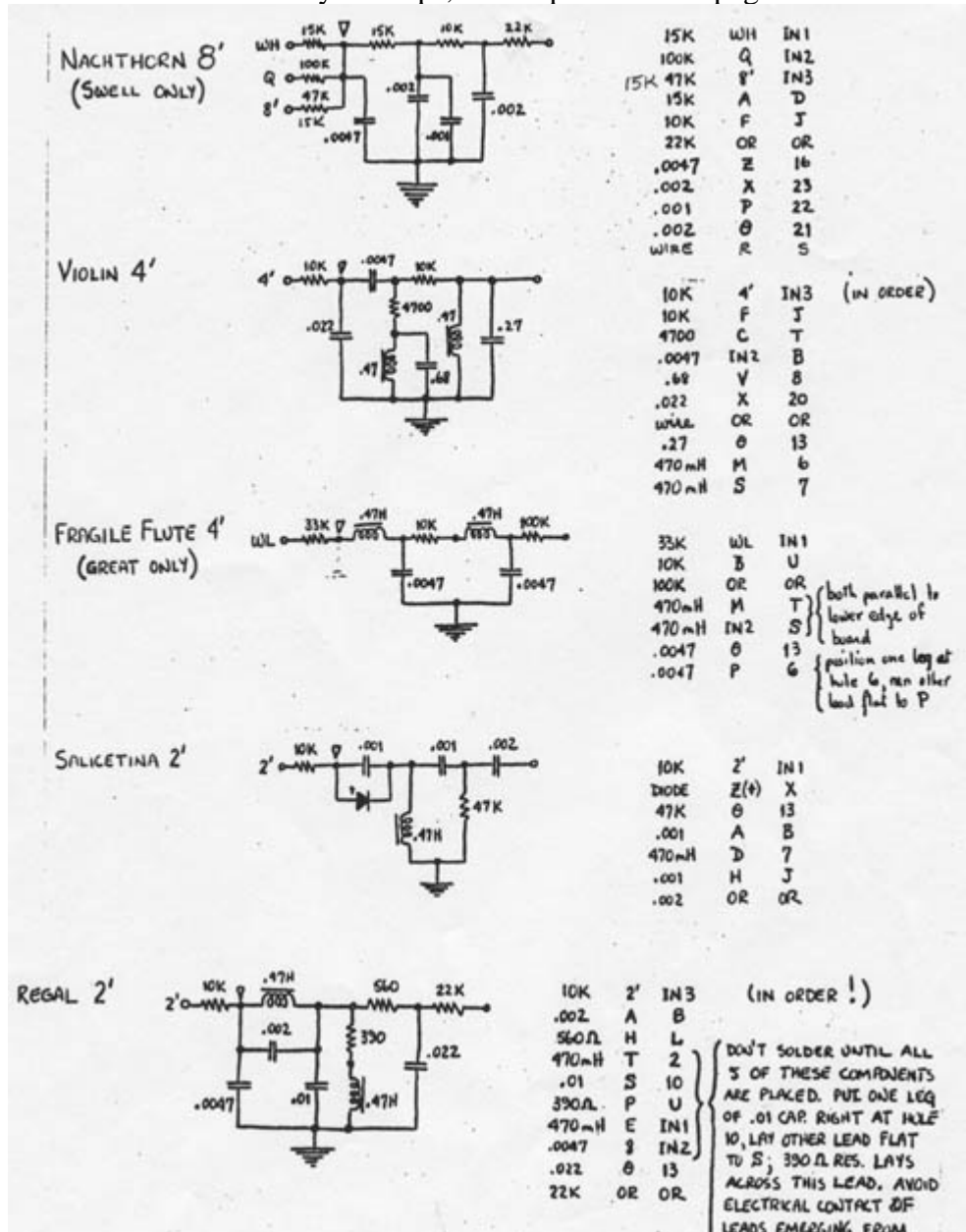
There have been many problems with the Recital pedal clavier. Broken flat springs on the original (non-kit) pedal clavier lead to solutions using elastic bands and loops. This is OK for a while, I guess, but not ideal. Schober came up with a fix and had an Information Bulletin, BN-039, which describes a way of attaching expansion coil springs and removing the old flat springs (both at the switch end) of the clavier. Philip Becker, one of our members, came up with a great method of strengthening the clavier and adding new flat springs at the other end of each pedal with a tension adjustment. I can send you a copy of both if you send me a 33¢ SASE plus one loose 33¢ stamp. ak

NEW VOICES

Member Captain David Casteel sent me several Information Bulletins (including BN-39 above). Amongst them, as well as other interesting ideas, are the schematics and wiring instructions for five new voice filters for the Schober Library of Stops, both reproduced on page 4.

SPEAKER SWITCH

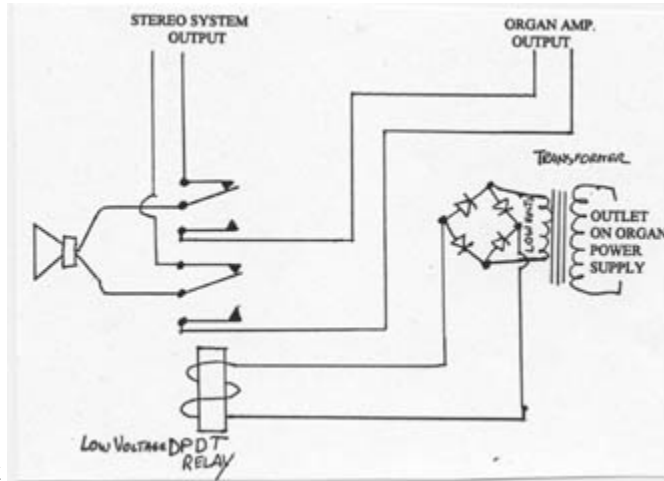
Because of space limitations, I had to use the speakers from my Stereo system for my Schober organ as well. It is a no-no to parallel the outputs of two amplifiers, so something had to be devised to switch the speakers from the Stereo to the Schober and vice-versa. A manual switch would do, but it's not particularly convenient. The circuit below automatically switches the speakers from the Stereo to the organ when the organ is turned on. Use two DPDT relays or one



4PDT for two speakers. ak

KEYBOARD CURED

Member Alan McFarlane writes: "...It is sure a pleasure to play the organ without a lot of missed notes and odd noises caused by poor key contacts. That Pro-Gold spray works wonders and I hope every Schober owner gets a can of that great stuff. When I think of all the times I removed those keyboards and wiped down the gold busbars, I shudder. I always wondered why they needed cleaning when gold is not supposed to corrode or tarnish. Seems like in time the base metal actually migrates through the gold, according to Caig Labs who make the stuff. Whatever the reason, I almost gave the organ away once because of those %\$#@ keyboards!" (See ON 57 and ON 58 for retailers that sell contact cleaning sprays).



SCHOBBER RELATED ITEMS

For Sale

A Console II, by Richard Thompson, 403 E. Smith, Bay City, MI 48706, Tel: (517) 684-1076

Wanted

An old style (single board) Percussion (PRCN-3/PRRN-3). Please contact Alan McFarlane, 1609 S. 7th St., Aberdeen, SD 57401, Tel: (605) 225-2410, mcfarlaj@dtgnet.com

For Sale

A Lowrey LSA "Holiday" tube organ is available for \$100, (pick up only) from: George H. Goldstone, 1010 Burnham Rd., Bloomfield Hill, MI 48304 Tel: (248) 642-7673

Wanted

Does anyone have a Schober suggested Registration List for a THEATRE voiced Recital? A copy would be appreciated. Please send it to my NY address, listed at the end of this newsletter. Alexander Kruedener

NON SCHOBBER RELATED ITEMS

Tapes

I found a place where hard to find Reel to Reel as well as cassette audio and video tape is available at very low prices. Get a flyer from AUDIO TAPES, INC. Tel: (703) 370-5555, or e-mail AMPEX641@aol.com.

SELL, TRADE OR GIVE AWAY

Nothing this time. Does anyone have anything for this section?

Please Address All Correspondence And SASE DONATIONS TO: ALEX KRUEDENER

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