Solaris Bank – Christoph Eckert Collection **2015-02-19**

This bank contains everything I have created during the last months. It contains all of the previously published material of the banks »Basic Collection«, »Virus TI Legacy Collection« and »Z1 Legacy Collection«. Some of the Z1 sounds have not been published yet, but will be »real soon now™«.

That's a total of 95 patches for the Solaris. I didn't do so for any other synth I owned. Appearently the Solaris is a honey pot for synth programmers. Its equally featured oscillators, mixers, filters, envelopes, low frequency oscillators and so on, the shortcut buttons, the copy feature, the many knobs and displays are marvellous. Those features make it easy to cope with the complexity of the machine.

Thanks John. The Solaris has its limitations, shortcomings, and bugs. And it is a joy to program and play.

N°	Preset	Remark
0	Softy	Nothing special. I just was curious how a sawtooth sounds after passing a lag processor. And the Solaris can do :) . It's simlar to the »Edge« parameter of the Korg Z1, which reduces the higher harmonics.
1	Diet Brass	This sound was created „by accident“ while playing with the Solaris' ring modulator.
2	Diet Bagpipe	Just an effects patch which uses the loop envelope generator to alter the pitch of the oscillator. I did this ages ago on a Waldorf Microwave, so thanks John for the replication. The modulation wheel speeds it up, but since it does not do this in realtime it requires to retrigger the notes.
3	Papa & Mama Lied	A lead sound modeled after a sound called »Pan ce« I used excessively on the Virus. This sound is close, but not yet close enough to the original. And it's missing the overdrive effect before the delay. Note that instead of an LFO, Osc4 applies the vibrato, based on a wave from the wavetables. Thanks John for the incredible frequency range of the oscillators :) .
4	Sine Solo MW	A patch I created on the Virus some time ago. It's not exactly a sine wave. Instead, the sine wave modulates its very own frequency to add harmonics. Move the modulation wheel while playing to accentuate particular notes by some »feedback« effect. Button one shifts the frequency of the „feedback“ oscillator by a fifth. Button two applies portamento. Ribbon applies (and holds) Vibrato.
5	TriSquare Solo MW	Basically the same as Sine Solo MW. The same modulation hints apply.
6	Diet Lead	The sound uses ring modulation. The joystick can be used to fade the 2nd oscillator in and out. The buttons shift its frequency by an octave and a fifth, respectively.
7	Brassica Lead	Nomen est omen. Use the buttons for octavation and portamento. The modulation wheel opens the filter, and the ribbon controller applies (and holds) vibrato.
8	Jewel Clarinets	This sound does *not* use any oscillator. You are listening to one of the Solaris' filters alone. Sweet and mellow. Incredible.

9	Jewel Clarinet	I was after this sound for decades. The Solaris brought it to us. What a joy! In case you find it boring, listen to the tune »Jewel inside a dream« as performed by Al Di Meola and Jan Hammer in 1981's album »Electric Rendezvous«. After that, get used to the expression pedal, the assignable button two (portamento), the modulation wheel and so on. Unfortunately, the pitch wheel is not available for modulating the filter's frequency, so no pitch bender is available.
10	Juwel Ring	The same source as Jewel Clarinet, but using ring modulation. Less sweet and mellow :) .
11	Wamba Lead	A simple pulse wave lead sound. Listen to the solo at the end of »Wamba« by Salif Keita as published on the album »Soro«.
12	Spittin' Oldtimer	A simple lead sound. Thanks for the Mini emulations, John :) .
13	Solaris' Heaven	Some first attempt to put the Solaris' FM capabilities to good use led to this sound.
14	Hohner's	A percussive sound – surprise, surprise :) . The modulation wheel applies tremolo. Button one adds filter wah in addition to the tremolo.
15	Verbogenes Blech	Translates like »Bend iron sheet«. This sound also uses FM. Additionally, LFO3 modulates the oscillators, while the LFO's level and frequency are both modulated by an envelope. Yes, sometimes I miss modulation routings on the Solaris, but most of the time I'm quite impressed what capabilities already exist. Thanks John.
16	Bird Lead 2	Button one shifts the 2nd oscillator by a 5th (audible only in case the modulation wheel os open). Button two adds portamento.
17	Bird Lead 3	Button one applies octavation to the 3rd oscillator. Button two adds portamento. Use the modulation wheel in conjunction with an expression pedal to accentuate individual notes to gain some fun.
18	Joe's Slivovitz	This sound is dedicated to Joe Zawinul. The solo in the 2nd part of »Bimoya« as published on the album »My people« is one of my all time favorites. Did I mention already I miss an overdrive on the Solaris :) ? Use the expression pedal and the modulation wheel to get started. Note this is not a sync sound. Instead, the modulation uses a band pass filter. One of the best sounds I squeezed out of the machine so far.
19	Minimalist Parts	The Part buttons enable different basic waveforms. The modulation wheel opens the filter. The ribbon applies (and holds) vibrato. Button two applies portamento.
20	Minimal Rotation	Similar to Minimal Parts. But this time the basic waveforms are routed through a rotor.
21	Duel Pad RTF	Modeled after a string sound as used by Chick Corea in »Duel Of The Jester And Tyrant« as published by Return to forever's album »Romantic Warrior«. It's one of my all time favorite compositions. The buttons shift one oscillator by an octave respectively a 5th. The modulation wheel opens the filter.
22	Ladder Lead	Ribbon opens (and holds) the filter.

23	Manticore's Tale	I use this sound to tell mystic medieval tales :) . Velocity and modulation wheel both add some ring modulation, best heard around middle »c«. The modulation wheel additionally applies some light vibrato. Button one shifts an oscillator by an octave and a fifth, button two applies portamento.
24	Manticore's Pad	A pad sound derived from the former sound. Note that it is velocity sensitive concerning the filter envelope and its attack time. Button one shifts an oscillator by an octave and a fifth.
25	Manticore's Horns	One further derivative.
26	Manticore'sVictim	Derived „by accident“ from the former sound. I like its vocal qualities. The sound is velocity sensitive. In conjunction with the modulation wheel, particular notes can be emphasized. Similar to »Manticore's Tale« it can be used to tell stories :) .
27	The Psalter	Accidental result of experimenting with the comb filter.
28	Unda Maris Pad	
29	Cold November Pad	
30	Hautbois	The Ribbon controller is stepped to one semitone, regardless where you touch it. This is achieved by abusing the envelope follower as a quantizer.
31	Liebliches Blech	A brass like pad sound. Button one adds an octave. The ribbon is stepped to one semitone.
32	Seventy Horsewhips	
33	Eighty Horsewhips	Button one adds a fifth.
34	Sweet Saw	A sound similar to one I once found on a KingKorg (sound 273). Button one adds a fifth, button two enables portamento.
35	Lovely Seventies	Similar to the one above. Button one adds a sub octave, button two enables portamento.
36	Sakrament	A sound similar to one I once programmed using the organ model of the Korg Z1, in an attempt to recreate a sound excessively used by Joe Zawinul. Meanwhile I know it's a stock Wavestation sound (Bank 8 Preset 2 on a SR) named Vocal Highlands. Three sinewave oscillators are used to add harmonics. Buttons one (fifth) and two (third) shift the pitch of those to slightly alter the sound.
37	Calm Seashore	I once thought lush pads aren't the domain of the Solaris. Obviously I've been wrong. The ribbon controller adds (and holds) some light vibrato, the modulation wheel opens the filter. Button one adds the fourth oscillator at an octave, button two makes it a fifth. Parts 3 and 4 add some modulated noise. Simply disable those parts in case you don't like it. The first filter uses the stock lowpass filter of the Solaris. As a standalone sound, I like it most. For mixes, however, changing it to the SSM lowpass might filter some unwanted frequencies. Try the Mini and even Obie filters also, lowering the cutoff frequency a bit.

38	Z2 Analog Lead 1	This sound came to life by accident, during an attempt to recreate a sound of the Korg Z1. The sync like character is caused by filter two, using the comb filter with erratic settings. Switch off part 2 to disable it. Alternatively performance knob two allows to adjust its gain. Button one brings oscillator 3 into play, as well using erratic settings. Alternatively performance knob one adjusts its volume.
39	Squrivin' Solaris	A square wave passed through an overdrive is a stock sound of mine. Since the Solaris lacks an overdrive effects block, this sounds gains it from extreme filter and amplifier settings. • Single notes played staccato do not distort. • Single notes played legato provide distortion during the notes overlapping, which is the desired effect. • Playing chords will distort heavily. BTW: a patch volume parameter past the final amplifier would be great.
40	Synclette	Rather aggressive. I assume this preset was created after an intense working day :) .
41	Early Poly	Button one shifts an oscillator to a fifth.
42	Barbaric Hun's	Similar to a sound from my Korg Z1 legacy collection. Modulation wheel and performance knob one fade in a ninth via the third oscillator. Button one makes it a fifth.
43	Helianthus Synth	Some simple square waves borrowed from the VS wave set. Button one shifts the 2nd oscillator by a fifth. Button two applies portamento.
44	Motor Lead	
45	Vox Cantans	Based on noise. See »Breaking Glasses« for more information.
46	Spinnin' Wheel	May the rotors be with you! A quite subtle sound, altering its partials using a rotor to cross-fade through the oscillators.
47	Breaking Glasses	The Korg Z1 provides a resonance oscillator. It consists of a couple of bandpass filters with resonance, which can be used to filter bands around the partials from the input, e.g. noise. The Solaris can't cope completely, but due to its four filters it can do similar things even without this special oscillator.
48	Breathy Pad	Similar to »Breaking Glasses«.
49	Kolbenfresser	Translates to »Piston Jamming«. Some notes played staccato will sound normally, but notes held longer will eventually start to distort heavily. Button one interrupts the distortion, but only momentarily. Releasing it will likely ensure the sound will start stuttering again.
50	Slow Lizah	Buttons one and two add an octave and a fifth, respectively. The ribbon controller opens the filter. The modulation wheel applies a quite slow vibrato.
51	Electreed	A sound which can be played similar to a reed instrument. The ribbon controller is fixed to a semitone. Button two applies portamento. Button one makes the sound more »clarinet« like.

52	John's Helicopter	This sound is dedicated to John :) . The »max value« modulation source is being fed into a rotor, alternatingly with positive and negative values. The cross-fade parameter is being used to make it triangle-like. The modulation wheel reduces the cross-fade, making it more square-wave like. The ribbon controller applies (and holds) vibrato. A nice example of the Solaris' capabilities. It's so pleasing to have a digital machine that does not distinguish between control and audio signals.
53	Z2 Anafuzz	I tried to program a sound of the Z1 named »Anafuzz«. I didn't get it exactly, since the Solaris lacks an overdrive. An aggressive sound resulted anyway. Note the modulation wheel which applies a nineth.
54	Narrative Pad	Similar to »Slow Lizah«, though created completely from scratch. The buttons do nothing in this patch. I tried adding a third, a fifth, and an octave. To no avail. The sound is lovely »as is«. The ribbon controller opens the filter. Pay attention to the performance controllers, which allow to control the cutoff, envelope amount, LFO amount, and resonance of the first filter. A delay control completes the reign.
55	False Accordion	Button one shifts one oscillator by an octave downward. Button two fattens the sound by adding a third oscillator.
56	Quadra Lead	Oscillator 4 is sync'ed to oscillator 1. In turn it modulates the pulse width of oscillator 1 and 2, controlled by LFO 4 as a S&H modulator piped through a lag processor. Parts 1 through 4 provide different filter settings, from stock Solaris over SSM and Mini to Obie. Button one makes one of the oscillators a fifth, button two applies portamento.
57	Quadra Pad	Similar to Quadra Lead, but pad like. This sound requires some more work.
58	Kr Synthy Plinky	A sound similar to one I found on a Korg Kronos. Buttons one and two shift an oscillator by a fifth and a fourth, respectively.
59	Ausbeinmesser	German for »Boning Knife«. An aggressive lead. Part 1 uses a low pass filter. Part 3 uses a modulated Allpass filter. Part 2 uses a low pass filter, which is fed by the Allpass filter. Button one shifts an oscillator by a fifth. Button two applies portamento. The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill. Rightmost is a semitone up. Leftmost is a semitone down. This brand new feature became the default of my template preset, so it will appear in most future patches.

60	PS Lead Sound	Korg published a paper called »Setting Charts« for the original Polysix. Those were ported to the Polysix EX engine by a Korg Kronos user. This sound was modeled after the Kronos' sound and comparing it to the original sheet. The Polysix' pulse width modulation sounds more harsh, but the Solaris is pretty close anyway. Plus, Parts 2 and 3 provide derivatives by feeding the oscillators through a ring modulator and a rotor, respectively. Combining them is recommended :) . The ribbon controller allows to apply a trill. The joystick defines the direction and amount of trill. Rightmost is a semitone up. Leftmost is a semitone down.
61	Vi Padings	AFAIK the original sound on the Virus was programmed by Rob Papen. The buttons shift the 2nd oscillator by one octave and one fifth, respectively.
62	Vi Lila Mais 1	Kidding denglish echoism of the original names as found on the Virus. Judge by yourself :) .
63	Vi Lila Mais 2	
64	Vi D50 Brass	Known as »D50 O-BOI« on the Virus.
65	WarmFunk	This one reminds my of a sound I once played on a Waldorf Microwave I. I still have to try to find a better waveform to bring it closer to the original sound.
66	Vi Ld OB Saw	A famous lead sound from the Virus. The Solaris also sounds marvellous. I missed a random vector LFO waveform (as the Korg Z1 features). I solved this by routing a Sample & Hold LFO through a lag processor and applying it to the shape parameter of the oscillator. Use button 2 to switch portamento.
67	Vi Aggressive	A famous lead sound from the Virus. The Solaris also sounds marvellous. However, the Virus does it with two oscillators, while I needed all of the four Solaris' oscillators. It was only possible by using the CEM oscillators, so I was glad they are there. Use the buttons to switch portamento and shifting one of the oscillators by a fifth, respectively.
68	Vi Saw Bee	Button one shifts the 2nd oscillator by an octave.
69	Vi Diet	On the Solaris, buttons one and two shift the 2nd oscillator by a fourth and a fifth respectively, which makes an octave when pressing both.
70	Vi Beast AV	Not very close to the original, which slightly overdrives.
71	Vi Synchyme	Close to the original, but its character differs.
72	Vi DigiPad	On the Virus, this patch is a copy of »Synchyme«, but with different digital waveforms and oscillator pitches. On the Solaris, it's not that close to the original, but a nice digital patch anyway.
73	Heaven JL	

74	Z1 Light Brass Lead	I didn't get it exactly as on the original machine. The filters differ as well as the velocity curves and other stuff. It's pretty close anyway. Use the buttons to shift oscillator 2 by an octave and a 5th respectively. The ribbon controller opens the filter.
75	Z1 Minnet Lead	A sweet lead sound. Use button 2 to switch portamento on and off. The ribbon opens (and holds) the filter cutoff.
76	Z1 Pure Pad	Sweet Triangles. Use the buttons to shift oscillator 2 by an octave and a 5th respectively.
77	Z1 Rubbery Comp	Close to the original, though not an exact clone. Use the modulation wheel to open the filter, the ribbon to add vibrato, and button one to add a 5th.
78	Z1 Simple Square	This one's pretty close to the original :) .
79	Z1 Soft Pad	In general, pad sounds sound very different on the Z1 - it seems to be optimized for those.
80	Z1 Warm Saw Pad	Use the buttons to shift oscillator 2 by an octave and a 5th respectively. The modulation wheel opens the filter. The ribbon controller applies (and holds) vibrato.
81	Z1 Silver Lining	I didn't get the background noise close to the original yet, simply as it has been late in the evening hours. Requires more work :) .
82	Z1 Dream Strings	The ribbon controller opens the filter. Button two makes the 3rd oscillator a sub.
83	Z1 Osiris	Does not sound exactly as the original, but it includes some interesting programming techniques.
84	Z1 Hard Sync	An aggressive one. Button one raises the level of the LFO that modulates the sync oscillator. A subtle effect best heard at sustain time. Button two applies portamento.
85	Z1 Green Boards	Sounds different to the original, so I didn't want to release it yet. Since it is an interesting sound anyway, here it is. The sound may slightly change during a future update without further notice :) .
86	Z1 Swans BRF	Pretty close to the original. The oscillators first pass a „closed“ band reject filter. Its cutoff frequency is modulated by a random vector LFO (S&H routed through lag processor 4), applying some interesting movement. Performance knob one can be used to control this effect. Button one shifts the 2nd oscillator by an octave. Button two applies portamento. The ribbon controller brings a sub oscillator into play (and holds its volume).
87	Z1 Fantasy Dome	Noise is the god of any acoustics. The Z1 provides a resonance oscillator, which allows to filter harmonics from various sources, including noise, using several bandpass filters. The Solaris of course can't cope completely with such a special oscillator, but thanks to its multiple filters, it was possible to approximate this sound rather closely.

88	Z1 Deep Sync Lead	Very close to the original. The modulation wheel increases the sync. The ribbon controller applies (and holds) vibrato. Button one shifts the suboscillator one octave up. Button two applies portamento.
89	Z1 Vienna	Very close to the original. Button one shifts the 2nd oscillator by a fifth. Button two switches portamento. The ribbon controller allows to shift the oscillators by a semitone.
90	Z1 Fly High Lead	Once again, pretty close to the original. Button one switches to a sine wave. Button two applies portamento. The ribbon controller allows to shift the oscillators by a semitone.
91	Z1 Butterfly Pad	This sound is not finished yet and requires more work. It's useful anyway.
92	Z1 Ana-Log-Pod	
93	Z1 4 on the Floor	
94	Z1 BrassySoloSAWs	This one is similar to the original, but has slightly different timbre. The original sound uses the famous »form« parameter of the Z1, which can be seen as pulse width modulation for saw waves. I used the CEM »Saw+Pls« waveform on the Solaris to emulate it, which results in a more „hollow“ sound.

The contents hereby are provided »as is« and released as »Public Domain«. I hope you enjoy your Solaris as I do.

Have fun,

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