

# PATCHWORK newsletter

1 (2) - June 1994

This is the Newsletter for PatchWork. It is composed of frequently Asked Questions and Update lists for PatchWork.

This list of frequently asked questions and answers serves two purposes:

- to reduce the number of "often asked questions" about PatchWork, by posting the questions and answers in this document which is shared by all.
- to inform the community of PatchWork users about updates and improvements.

Please send your corrections, questions, and comments to the editor,  
Marc Battier, at : ircam-doc@ircam.fr.

Please report all bugs to:

Mikhail Malt, Laurent Pottier, at:

electronic mail : ircam-doc@ircam.fr

mail : Ircam, 31, rue Saint-Merri, F-75004 Paris (France)

fax : (1) 42 77 29 47

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☛ This newsletter is a complement to the newsletter numbered 1 (1)

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## [1] Environment

### [1.1] New Developments

This newsletter corresponds to the release of PatchWork 2.1. Changes are explained below, and in the README file that comes with the distribution diskettes. A major change is the use of Apple's Macintosh Common Lisp version 2.0.1. This change will only affect those who use libraries that require Macintosh Common Lisp (such as the Functionals library). If you have an installed version of MCL 2.0 it is necessary for you to upgrade to MCL 2.0.1. See section [4.1] for more on what's new in PW 2.1.

### [1.2] Caveat

- PatchWork will not work if the hard disk on which it is installed has been named "root". This problem is not due to PatchWork itself, but rather to Common Lisp. You can name your disk anything but "root".
- PatchWork will not work on a Macintosh using a 6801c40 microprocessor without a coprocessor. Most Macintosh equipped with a 6801c40 microprocessor come with a coprocessor, but not all. If that is your case, you have the choice of either having a coprocessor installed, or adding to your system a coprocessor simulation software. There is a shareware software called "software FPU" that has been experimented successfully. Call us if you need it.

## [2] Libraries

### [2.1] Updates and new libraries : see section [4]

## [3] Running PatchWork

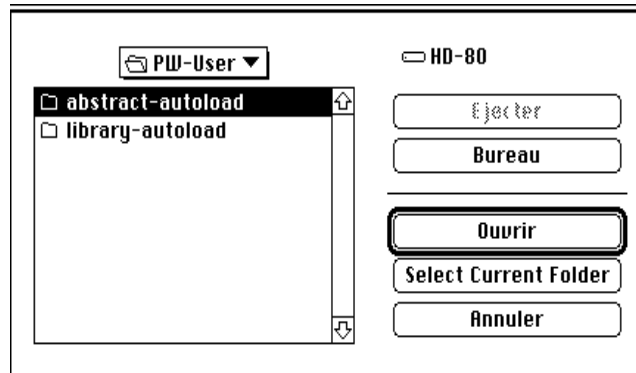
### [3.1] Abstractions

Make sure that your PatchWork folder contains a folder named PW-User. This PW-User folder contains two folders : abstract-autoload and library-autoload. Even if these folders are empty, they have to be present if you plan to load abstractions.

```
□ PW-User
  □ abstract-autoload
  □ library-autoload
```

Caution:

- When using the command **PWoper>load abstracts**, open the target folder by double-clicking it or by clicking "Ouvrir". Once inside the target directory, press "Select current folder". Otherwise PatchWork will tempt to load the father directory, which could result in very long disk scanning (and an error message !).



- When loading a patch containing COMPILED abstractions, be sure to load those compiled abstractions BEFORE loading the patch, otherwise loading the patch will produce an error message!

## [4] Updates

### [4.1] What's New in PatchWork 2.1?

PW 2.1 has been recompiled using MCL version 2.0.1. This version fixes bugs and has a faster procedure for creating CLOS objects.  
See section [5.1] for bug fixes.

### [4.2] Quantify

A new version of "Quantify" has been installed. It has an optional "precision" flag which is a value between 0 and 1. Near 0 values favour notation simplicity. Near 1 values favours rhythmic precision.

### [4.2] Num-Series

Three new modules in the "Num-Series" menu : **prime-ser**, **prime-factors**, **prime?**  
See the on-line documentation.

### [4.3] Config

The "Save current config" and "Delete current config" functionalities have been improved and have a better compatibility with the Chant environment. Their behaviour has changed slightly :

"Delete current config" does not erase the "User" menu instantly. Rather, it changes the file "Config.init" in order that the "User" menu will be empty THE NEXT TIME PatchWork is launched.

Note that "Save current config" stores absolute library path names in "Config.init". Thus, if you move PatchWork on the disk, or rename the disk, you **MUST** run "Delete current config", then rebuild your library configuration by loading libraries then running "Save current config".

### [4.4] auto-load example patches

A new mechanism is being prototyped for auto-load example patches (command 't' in patch windows). When you design a new library, you can put inside the library folder an example folder where the file "my-module.pw", for instance, will document the module "my-module". See the library "Chaos" for a model. The file Chaos.lib contains the Lisp instruction which informs the system that a new example directory ("chaos-patches:chaos-tutorial" here) is available.

#### **[4.5] Using abstractions**

- When using the command PWoper:load abstracts, open the target folder by double-clicking it, then, when inside it, press "Select current folder". Otherwise PatchWork will try to load the father directory, which could result in very long disk scanning (and an error message !).
- When loading a patch containing COMPILED abstractions, be sure to load those compiled abstractions BEFORE loading the patch, otherwise loading the patch will produce an error message!

### **[5] Libraries updates**

#### **[5.1] Chant library**

A new release of the PW-Chant library is available as of June 1994. It replaces the previous library.

#### **[5.2] Creating a Chant image**

The Chant Library has been recompiled in Think C and is much faster than the old one. In order to build a PW-Chant image, load the Chant library from your PatchWork image. Return to the finder and trash the current image file, or rename it. Go back to PatchWork, then "Save Image" from the PWoper menu. This process creates a file called "PW-Music.image". You now can give it a name that will correspond to Chant, such as "PW-Chant.image". This operation does not necessitate anymore the presence of MCL 2.0.1 on the disk.

#### **[5.3] Chant manual**

As of June 1994, the two Chant manual (Introduction and Reference) are available in a new edition, both in English. They become the current edition, as their contents have been updated and completed. They are labelled "First English Edition". Their inside cover sheet have the following Current version Date : 23 June 1994.

#### **[5.4] 3Dim-disp library**

A new library, 3Dim-disp, for visual display of functions, has been conceived by Mikael Laurson. It has been distributed in April 1994. A manual is available.

#### **[5.5] Chaos library**

A new library, Chaos, for use of chaotic functions, has been conceived by Mikael Malt. It has been distributed in June 1994. A manual is available.

#### **[5.6] Libraries current versions**

Here are the version numbers of the libraries:

3Dim-disp	v. 1.0	(April 1994)
ALEA	v. 1.0	(October 1993)
Chant	v. 1.2	(June 1994)
Chaos	v. 1.0	(June 1994)
Csound-edit-sco	v. 1.1	(April 1994)
Esquisse	v. 1.0	(October 1994)
Functionals	v. 1.0	(February 1994)
Instruments	v. 1.0	(October 1993)
Midi-file	v. 1.01	(April 1994)
Situation	v. 1.0	(February 1994)

## **[6] Bug fixes**

### **[6.1] Bug fixes in version 2.1 (June 1994)**

- PW 2.0 used to crash on certain machines when music editor windows were moved or resized. This is not the case anymore.
- PW 2.1 is now really movable on the disk. You can install it wherever you like. If you have MCL 2.0.1, install it either at the root, or in the same directory than PW 2.1.
- Double drawing problems in RTM editors have been fixed.
- Grace note positioning have been fixed in RTM editors.