

## **Pascal-F Verifier Internal Design Document**

### **Changes required to run Boyer-Moore Theorem Prover on stock Version 4 TOPS-20.**

*John Nagle*

FACC / Palo Alto

Assuming that INTERLISP was not previously available, the following changes appeared to be required:

1. The file <LISP>LISP.SAV must be renamed <LISP>LISP.EXE.
2. The same change applies to other executable files.
3. To run MAKESYSOUT, it is necessary to change MAKESYSOUT so that LISP is invoked with "RUN <LISP>LISP" instead of just "<LISP>LISP".
4. The file <LISP>TOPS20.RELEASE must be created. I put a "3", in here, matching SRI, even though our system runs version 4. This may be questionable.
5. The file CLAUSIFY.COM had to be filled with a null readable LISP makefile before MAKESYSOUT would run. I used

```
(CAR NIL)  
STOP
```

which worked.

6. The prover, when compiling a DEFN, sends the message output of the INTERLISP compiler to the device "NIL:". This device apparently is non-standard. It does not exist on our system.