

## Bill Klein (Cont')

**SAS History:** I began using statistical applications in market and opinion research. At Ryerson University I have used SAS for file manipulation, reporting, graphics and statistical analysis.

**Pets:** None

**Family:** Married for 28 years.

**Sports/Hobbies:** Swimming, more swimming and hiking. I raise funds for the Heart and Stroke Foundation of Ontario in their annual swim. We choose vacation destinations for their interesting and challenging hiking and walking.

**My ideal weekend would be ...** Hiking and having lunch somewhere sunny.

**Favourite Foods:** Risotto and toasted tomato sandwiches.

**If I could be anything at all (besides a SAS programmer), I would be...**A member of a swimming team.

**When I'm not programming in SAS, I like to...**Go to a jazz bar.

**One thing every SAS programmer should know** is how to display memory variables. The code is:

```
data temp;
  set sashelp.vmacro;
proc sort; by name;
proc fsvview edit;
  var name value offset value;
  format name $8. offset 3. value $35.;
run;
```

This produces a display showing the memory variables in alphabetical order.