

Inter-Office Memorandum

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From: Wendell Shultz Location: Palo Alto

Subject: System Software Organization Organization: ITG/SDD/SD

XEROX

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Due to the increase in size of the system software section, it is time to add more first level managers. We now have about 20 people in the section and expect to grow to 30 in 1977. We want first level managers to be involved in technical work themselves, as well as in management issues. Hence, there should be no more than 5 to 8 direct reports per manager.

With this in mind, we are forming four groups in the system software section, effective immediately. The four groups are:

Tools, Support, and QA: Responsible for the development tools (such as program librarian, cross reference, performance analyzer, etc.), the support and distribution of these tools (and all other system software) to the other organizations in SDD, and the QA testing of all system software. The support and QA functions are not well defined at this time, but they will receive greater emphasis this year. I will be acting manager for this whole group, and Smokéy Wallace will be Technical Project Leader for the Tools Project.

Pilot Nucleus And Mesa: Responsible for process management, memory management, and file management in Pilot and for the Mesa compiler, debugger, and Mesa run-time. We expect the Mesa run-time to merge with Pilot eventually, and this seems the best way to force this to happen. Bill Lynch has agreed to manage this activity and will join the system software section from D. Liddle's staff.

Device Handlers, Diagnostics, File Utilities, and Configurations: Responsible for helping to specify the OIS I/O functional interface, develop all the device handlers (except communications), develop the on-line diagnostic strategy and diagnostics, and provide file utilities and hardware configuration management utilities. The file and configuration utilities will include disk-to-disk copy, scavenger, disk restore, system boot functions, and the hardware configuration and distribution utilities. These routines are closely related to device characteristics and to reliability. Dan Stottlemyre will manage this group. Dan has had a lot of experience in these areas from Xerox real-time computer systems.

Common Software: Responsible for developing and supporting the library of common software between Pilot and all OIS, DWP, and RIS/ROS applications. This includes user interface, data (object) management, space allocation routines, and other items. Charles Iby will manage this group. Charles has been temporarily managing tools and Mesa in addition to his permanent responsibility for common software. He was promised when he took on all those projects that (as they grew larger) he would get some help in managing some of them. That time has come.

Tim Townsend, Technical staff, is located in El Segundo. As such, one of his main roles is to interface between the system software section and the DWP and PD applications

programmers and product program teams. He will also represent our interests in the business planning activities in El Segundo and work with EOD and field engineering on system software related matters. Tim has had a lot of experience in negotiating requirements between customers and developers for complex systems.

We have a new section secretary, Ode Lopez, starting January 31. She is transferring from PARC. One of her main functions will be to handle the archive lists for all documents we produce.

The attached organization chart shows the groups and the people in each group.

Distribution: SDD/SD

All SDD Managers

G. Bomely

G. Elkind

C. Geschke

B. Lampson

F. Squires

B. Sutherland

R. Taylor

