

Mr. Fred Silverman
Director Corporate contributions
Apple Computer Corporation
MS 38 J
20525 Mariani Avenue
Cupertino, California 94014

Dear Fred,

This proposal is being submitted to Apple in behalf of the Armenian Relief Society, a non-profit corporation, with whom NSI has been assisting with Notepad computer teleconferencing and network services following the tragic earthquake in Soviet Armenia on December 7 which destroyed over 100 villages, all medical facilities, and lifeline services, killing more than 25,000 people and leaving over 510,000 homeless.

The "Quake" Project was initiated by NSI and the Armenian Relief Society following conversations with the relief agencies who were stymied by the destruction of the traditional means of communications and the lack of an international crisis management system that could provide coordinated assistance. NSI has been assisted greatly by the Foundation for the Survival and Development of Humanity in establishing a lease line to Yerevan, the Capital of Soviet Armenia. The Foundation is headed here in the United States by Mr. William Miller, and John Sculley is a member of the Foundation Board. In Moscow Academician Yvengenii Velikov is the Chairman of the Foundation.

The principle participants from the Armenian Relief Society, here in San Francisco and Glendale California have been meeting in a sort of "electronic glosnost" with Armenian experts involved in the immediate process of crisis mitigation, with the long term goals of reconstructing the stricken regions to restore services and programs vital to the reconstruction of Soviet Armenia. The Network services are provided by Notepad Systems International, using Notepad computer conferencing. The representatives from the USSR Soviet Academy of Sciences, the Institute for Automated Studies, Project SEARCH, have been meeting electronically for the past two months to design various programs which require group interaction across disciplines on an international level.

The "Quake" computer conference has proved vital to matching needs in the USSR with resources available in the Western World. The principle focus of these efforts has initially focused on life saving and health maintenance. As the conference and circumstances have identified the broader needs facing Soviet Armenia we have been requested to assist in the establishment of a distributed network of personal computers to be tied to Notepad's host in

California which, via Tymnet, allows experts in Soviet Armenia to communicate with their colleagues from over 86 nations.

NSI has reviewed this new requirement with the U.S. Department of State, the Office of Foreign Disaster Assistance, and the Department of Commerce to verify we are within export laws governing this unique form of technical assistance. We have been assured that the conference is viewed by both the U.S. and the U.S.S.R as vital to the cooperative relief goals established by President Reagan and Bush, as well as by the lead agencies involved under existing accords between the U. S. and the U.S.S.R.

- 1) The beneficiary of this proposal is the Armenian Relief Society - IRS Tax exempt Number: __ - _____.
- 2) In Yerevan, Soviet Armenia we are principally in contact with the Institute for Automated Studies under the Direction of Levon Peshtmaldjian, and with Project Search, the official organization established by the Armenian Council of Ministers as the principle on-site organizing committee for locating missing persons, centralizing data regarding the earthquake and focus foreign relief and technical resources. The head of Search is Gregori Vahanyan.
- 3) Quake Network Requirements:
 - All systems should be standardized around Microsoft Word for Mac as the word processing package and Microsoft Works for communications.
 - The Apple systems would all be logged into NSI's central Digital Equipment System 20/60 in Cupertino. Each user dials a local telephone number to access the "Quake Network" on a daily basis to enter the conferences that have been established. Within the USSR NSI and the IAS in Moscow and in Yerevan has established a dedicated circuit where we will place a dedicated node to allow broader packet switched access by local ministries.
 - 2 Mac II systems should be set up in the SF Bay Area, 1 at Hrair Balian's office, and 1 at NSI SF to coordinate the Notepad network,

The Mac II at the ARS SFO will serve as the central PC for daily coordination of ARS Relief scheduling, problem solving and general coordination with ARS offices in Yerevan and donor offices around the world. Hrair Balian is the principle officer with who we have been working.

The Mac II at NSI will serve as the central point for

meeting ARS needs, gather and publish weekly situation reports, coordinate with other donor agencies in other disciplines, coordinate technical requirements and training needs of network participants across the network system.

These systems should have sufficient memory with hard disk, modems, and laser printers. These Bay Area nodes along with NSI's central host will be vital for electronic publishing network communications, matching relatives in the U.S. vis Search with their Armenian families, administer special conferences underway and foreseen between various disciplines working on an international level, i.e. seismic, city planning, housing, health, transport and other lifeline experts, as well as support of new participants of the network.

In addition to these needs NSI is constructing has been constructing a detailed database including all press, video and published articles to be used by the conference participants and other participating agencies for future disaster mitigation and planning. Apple has several new products available which could help immensely, "Apple scanners" for data input, which would help minimize costs, and "RF interfaces so that the computer could be used for briefings using video monitors. NSI has approached ILM for programming assistance to take the multi-media conference proceedings and produce a CD Rom based interactive educational system to be used in Yerevan.

We envision that the disaster conference proceedings and documentation could be used to construct a CD ROM sourced system using Apple MacIntoshes that could play a vital role in creating a distributed database across the network and importantly focus the vast information gathered for use in creating a permanent disaster communications system for future sudden disasters as called for by both the Soviets and donor agencies involved in Soviet Armenia.

- 1 system as above should be set up in the LA HQ of ARS for coordination with the larger Armenian community in the area and all Armenian publications.
- 1 system as above should be set up in the Washington DC HQ of ARS for any required coordination with the US government.
- 5 complete systems should be set up in Yerevan, the capital of Soviet Armenia as follows:
 - 1 at RCADE to supervise the network
 - 1 at Health Ministry
 - 1 at Deputy Prime Minister's office who is in charge of earthquake reconstruction and relief work

- 1 at Armenpress to keep the relief agencies in the diaspora updated on situation in Armenia
 - 1 extra if one of the above gets overloaded with work or malfunctions
- 5 complete systems to be distributed in each of the following stricken cities to function as links with the center in Yerevan: (2 Mac SE's) in Leninakan, (1 Mac SE) in Kirovakan, (1 Mac SE) in Spitak, (1 Mac SE) in Stepanavan. (two are suggested for Leninakan taking into consideration its size and corresponding needs).
 - A total of 15 systems is respectfully suggested.

The Quake Network as envisioned in Yerevan:

Following my discussion with you Hrair and I asked Mr. Pesht and Grigor Vaganian to help us define the use of the Apple systems should they be made available. Here is their response:

History of the Quake Project Dec. 7 to February 21:

On December 7, 1988 following the tragic earthquake in Soviet Armenia I spoke by telephone with Vladimer Serdiuk, our contact at the Institute for Automated Systems in Moscow who indicated the need for Notepad computer based teleconferencing to help coordinate communications between Soviet Armenia and donor nations seeking to provide disaster mitigation assistance. This invitation to provide computer services grew from the successful use of Notepad in April 1986 following the Chernobyl disaster when Notepad was used to link EPRI's Chief of Nuclear Operations, Ed Zebrosky with other western nuclear experts to extinguish the fire in Unit number 4 at Chernobyl.

Dr. Serdiuk reported at that time that all communications from Moscow to Yerevan, the capital of Soviet Armenia were destroyed by the earthquake and its aftermath, and that they were prepared to place a dedicated circuit in Yerevan at the Armenian Branch of the IAS to serve as a central node for international communications. Serdiuk approached the head of the IAS, Professor Smirnov who also concurred with the concept. We then spoke with the Executive Office of the President, the Bush Transition Team, the State Department Office of Foreign Disaster Assistance, and the Department of Commerce to secure permission to provide transborder communications from the 86 countries NSI currently serves to the USSR's IAS and the IAS Armenian Branch in Yerevan.

Through the offices of the Governor I spoke with Vahe Yacorbian,

of the Armenian Relief Society who asked that we go ahead and do what was necessary to establish the computer conference which he believed would be critical to coordinating the assistance of the Armenian Relief Society in their planned response. He asked that we work with Mourad Shanian, their Controller, and ultimately with Hrair Balian who is now the present Administrator for the "Quake" Project. Hrair and I have been working since late December using the Notepad to work interactively with Levon Pesht in Yerevan. We have identified the need for additional personal computers for the long term mitigation efforts proposed by the ARS and the IAS in Soviet Armenia.