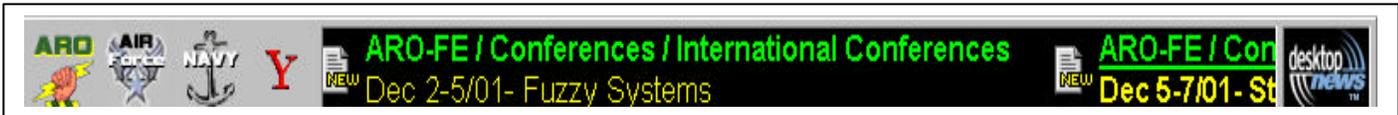




- Web-Page: <http://www.arofe.army.mil/AROindex.htm> ; WEB Info: DAndreaG@arofe.army.mil
- Desktop News: <http://www.desktopnews.com/download/AroSetup.exe>.. Explore / click on any of the **Blue Items!**



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We get Mail:

HQ AFMC/ LGP-EV inquires on **Lead-free solder products...**

May 17, 2001: ARO-FE received an e-mail from an Air Force Materiel Command POC (Mr. Steven G. Austin – Environmental Engineer) requesting assistance in identifying any and all Japanese regulations banning the use of Leaded solders 'in-country'. Additionally, AFMC requested any knowledge this office may have of current Lead-Free Solders within Japan that may be available for study. This information is to be used to further a Joint Group on Pollution Prevention (JG-PP) effort called the Lead-Free Solder Project.

June 05, 2001: ARO-FE sent back this response to the USAF representative:

1. There are no regulation(s) concerning the use of Pb-solder in Japan.
2. EU will start banning the use of PB-solder starting from the year 2006. Click on these links for World wide POCs: Soldertec Consortium: <http://www.lead-free.org/index.html> National Physical Laboratory: <http://www.npl.co.uk/npl/ei/iag/leadfree/linksdpbf.html>;
3. Senjyu Kinzoku Metal Industry Co., Ltd. of Japan is one of the biggest manufactures of Non Pb-solder. (<http://www.senju-m.co.jp/e/index.htm>),
4. ARO-FE contacted SONY and found:
 - a. Material (Non Pb-solder) is same as Senjyu Kinzoku; Sn-3.0Ag-0.5Cu.
 - b. SONY is using Sn-2.5 Ag-0.5 Cu-1.0 Bi material, but after finalizing the license problem between Senjyu Kinzoku and Iowa State University (Sn-3.5 Ag-0.7 Cu), they have changed it to Sn-3.0 Ag-0.5 Cu.
 - c. Companies can produce Non Pb-solder by the license agreement with Senjyu Kinzoku.
 - d. ARO-FE contacted also Tamura Kaken (<http://www.tamura-kaken.co.jp/english/>) .. another manufacturer of Non-Pb-solder

June 14, 2001: ARO-FE receives the following response from Mr. Austin: "Thanks for the hard work and the update, I have passed on your information to the appropriate POCs and they were very grateful." ARO-FE answers and requests to use this exchange of information to acquaint other DoD Scientist/Engineers of this commendable and potentially far-reaching Government-wide project.

July13, 2001: The Joint Group on Pollution Prevention (JG-PP) is a partnership between all of the Military Services, the National Aeronautics and Space Administration (NASA), and the Defense Contract Management Agency (DCMA). Their most current effort seeks to eliminate/reduce the amount of Leaded Solder used across the US Government by demonstrating/ validating viable alternatives. For more information on this project, please open the attached document and/or visit their web-site located at <http://www.jgpp.com>

October 2-5: Tradeshow at the ATE Expo in Chicago, USA



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