lopment of Metal Matrix Composites for DoD Application Requirements, part 2, Paper № P-1177, Institute for Defense Analysis, Arlington, Va. (February 1977).

〔3〕 G. S. Doble and P. Melnyk, Air Bonded, FOD Resistant Metal Matrix Fan Blades, AFML-TR-76-218, TRW, Inc., Cleveland, Ohio (December 1976).

〔4〕 E.J.Delgrosso, W. J. Fisher, K.M. Prewo, and R.D . Veltri, Development of Air Bonded FOD Resistant Metal Matrix Fan Blades, AFML-TR-77-13, Hamilton Standard Division, United Technologies Corp., Windsor Locks, Conn. (February 1977).

〔5〕 A.R.Robertson, Manufacturing Methods for Metal-Matrix Structural Components, AFML-TR-76-140, General Dynamics Convair Division, San Diego, Calif. (August 1976).

〔6〕 B.R. Collins, W.D.Brentnall, and I.J. Toth, Properties and Fracture Modes of Borsic-Titanium, AFML-TR-73-43, Air Force Materials Laboratory (December 1972).

〔7〕 W.Pfeifer, ed., Proceedings of the Second Conference on Carbon Fiber Reinforced Metal-Matrix Composites, Monterey, Calif., 9-11 May 1978.

〔8〕 M.F.Amateau and D.L.Dull, "The Effect of Processing on Transverse Strength of Graphite-Aluminum Composites," Proceedings of Conference on Failure Modes and Processing of Composites, AIME(1978).

〔9〕 J.Cook, "SiC Whiskers and Applications in Composites Materials", American Ceramic Society Conference on Composites and Advanced Materials, Cocoa Beach, Fla., 23-25 Jan.1978.

〔10〕 R. Kaiser, Technology Assessment of Advanced Composite Materials, Phase I, ERS-77-19467, Argos Associates, Inc., Winchester, Mass. (April 1978).

〔11〕 J.F.Dolowy and B.A.Webb, DWA Composites Specialties, Inc., Chatsworth, Calif., private communication.

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无氰镉钛电镀工艺协作组在京开会

无氰镉钛电镀工艺协作组自1月16日至23日于北京航空学院召开总结交流会。计有十个单位的十四名代表出席了会议。

会议系统地总结了工艺试验、镀层性能及生产使用等情况。自一九七七年初于上海召开的七〇八工程新工艺交流大会以来，镉钛镀层用于伊尔14飞机起落架内筒，在两年多的时间内经五百多次起落的考验，情况良好。为镉钛合金电镀工艺在航空工业上的应用奠定基础。也为航空用高强度结构钢提供了新的防护层。

经充分讨论，到会代表一致认为镉钛镀层不但能解决电镀过程的可逆内氢脆问题，而且防护性能比松孔镉好，在长期浸泡海水的工作条件下，甚至比光亮镉好得多。在此基础上，协作组将继续工作，为扩大工艺适应性及扩大应用而努力。

（梁金奎、隋雍谟）