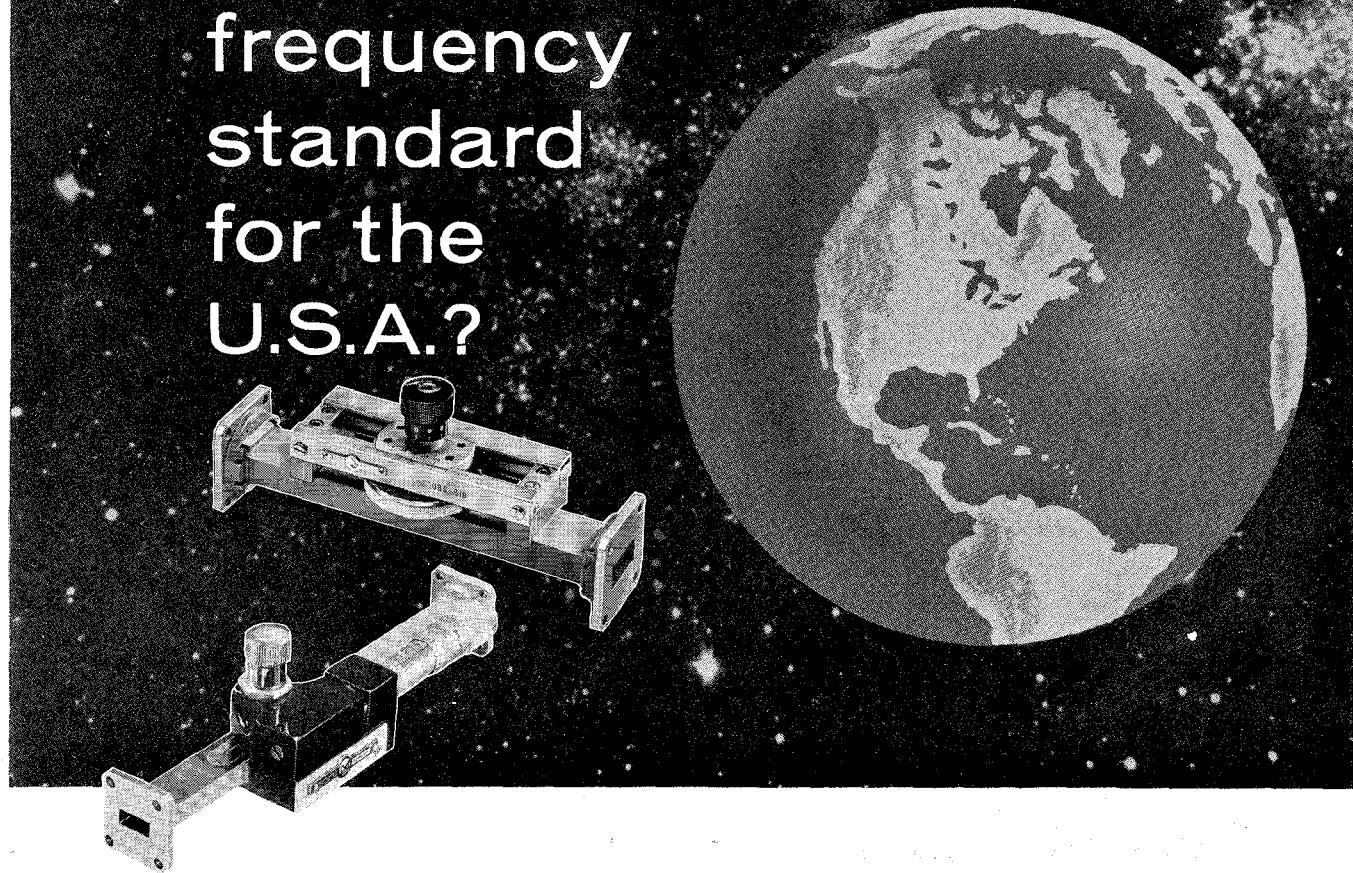


what is the frequency standard for the U.S.A.?



ANSWER: By act of Congress, the U.S. Bureau of Standards determines the primary standard, based on the revolution of the earth. All DeMornay-Bonardi microwave instruments are calibrated at frequencies which are verified by our secondary standard, which, in turn, is periodically calibrated, point for point, by the U.S. Bureau of Standards.

One way to properly match a microwave transmission line is by using a D-B Stub Tuner to reduce mismatch losses and utilize the total energy available.

D-B stub tuners in the 2.6 to 18 KMC range have a new scale and vernier that gives precise resetability in longitudinal travel. A new micrometer scale on the probe meas-

ures penetration with very high accuracy.

Probe wobble is eliminated, and no resonances can occur under any conditions. You can correct VSWR as high as 20:1 with amazing accuracy (1.02). You can tune with precision...reset to original settings with certainty that phase and magnitude have been duplicated.

Ditto for higher frequencies. D-B tuners in the 18 to 90 KMC range are not simply scaled-down units—they're engineered for ultramicrowave® use. All the above features are available, plus micrometer positioning which provides readability to .0001".

Write for data sheets—they detail all features, applications, dimensions, sizes. Bulletin DB-919.



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