Proposed Changes and Additions to the Next Edition of
BNL-325 Vol. 1

A. Introduction expanded to include the following:
1. Graph of $\gamma$/D and D
2. Graph of level density parameters a
3. Definition and equation for Wescott g factor
4. Section on statistics of resonance parameters to include $F$ and $\Delta$
   statistics with bibliography and also Baye's Theorin
5. Table of standards for neutron energies such as the $^{12}$C neutron
   resonance at $2077 \pm 2$ keV. See Meadows note and Columbia list in
6. Table of commonly used standards for Y-ray energies such as Fe
   doublet, Al, $^{23}$Na, etc.
7. Table of standards for Y-ray intensities such as Au, Pt, etc.
8. List of references of compilations of optical model parameters
   such Perey's in Nuclear Data Tables.
9. References for Q values such as Wapstra's and Gove and Howerton's
   references.

B. Thermal Cross Sections:
1. Differentiate between $\sigma_{\gamma}(2200^o$/sec) and $\sigma_{\gamma}$(pile) values.
2. Include values for the incoherent scattering lengths.

C. Resonance Properties:
1. Include evaluated values for the average level spacings by
   correcting for missed levels (requested by NEANDC).
2. Include values for average radiative widths $\gamma$
   $<\Gamma\gamma>$ and Y-ray strength functions.
3. Where possible, include average capture at kT=30 keV for astrophysical
   applications.