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On the Cover: The background color for this month's cover is ruby, commemorating a fortieth anniversary, while the anniversary logo's silver represents the light given off under pressure by zirconium, whose atomic number is 40.

Photos: Top left, Strontium-85 "scintiscan," courtesy Gerald L. DeNardo, MD. Top right, Fluorine-18 bone scan performed on a rectilinear scanner, courtesy W.H. Blahd, MD. Bottom left, Technetium-99m-MDP whole-body scan, courtesy Stanley J. Goldsmith, MD. Bottom right, Fluorine-18 whole-body PET scan, courtesy Carl Hoh, MD.