MORE ELEMENTARY IMPROVEMENTS

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In *Elementary Transadditions* (February 2006), Darryl Francis lists the shortest transadditions he could find of 122 element names. These are a mixture of his own, recent, words and words documented as elementary transadditions in previous articles, including Ed Wolpow’s *Chemical Improvements* (May 1995). A joint article, *Elementary Improvements*, by Jeremy Morse and Ed Wolpow (Feb. 1978), not mentioned by Darryl, includes three examples which actually improve on Darryl’s current list, specifically NUMMULARIA (for ALUMINUM), SPHEROPHORUS (for PHOSPHORUS) and an optimal transaddition HUMANIFY (for HAFNIUM). In offering further improvements, I list just one example for each element name although, in some cases, several were found. Words can be found in the Oxford English Dictionary, Second Edition unless stated otherwise. Locations, taken from The United States Board on Geographic Names, are identified by country. nz = Nomenclator Zoologicus; Web2 = Webster’s Second Edition

**OPTIMAL TRANSADDITIONS** - these have a single letter added.

ACTINIUM - ANTI-MUSIC  ALUMINIUM - NALUMILUMI (Fiji) ALUMINUM - ALUMINIUM
BERKELIUM- BUKLERIMEN(Norway) CHROMIUM - CHROMICUM  EUROPIUM - CURIEPEUMO (Chile)
FRANCINIUM - INFRACTUM(Chambers) GADOLINIUM-MOUDIENGILA(CongoR) GERMANIUM-MEIORGANUM (nz)
HOLMIUM - OUMMIHLA (Tunisia) IRIDIUM - DILIRIUM  MANGANESE -MANGASTENE
MEITNERIUM - INTERMEDIUM MERCURY - MERCURYE  NIOBIUM - IMBUTION
PALLADIUM - PULLAMBADI (India) PHOSPHORUS - PHOSPHOROUS  PROMETHIUM - PRIM-MOUTHE
RUBIDIUM - MURUBINDI (Burundi) SELENIUM - LUMINESCE  TECHNETIUM - MOUCHINETTE
THULIUM - ITHUMULA (Kenya) TITANIUM - MILITAUNT  (Haiti)

Not included in Darryl’s list: PROACTINIUM - PROTACTINIUM

**NON-OPTIMAL TRANSADDITIONS** - these have 2 or more letters added.

After each transaddition is the number of letters (bracketed) added in the corresponding example in Darryl’s article.

2 letters added
CALIFORNIIUM - ALUMINOFERIC (Web2) (5)  FERMIUM - AMRUMTIEF (Germany) (3)
KRYPTON - PONY-TRUCK (3)  LANTHANUM - MANDLUNTSHE (S. Africa) (4)
PLUTONIUM - MUNITINGPULO (Philippines) (4)  RUTHENIUM - UNTRIUMPHED (3)
SEABORGIIUM - SEMIGLOBULAR (Chambers) (3)  TELLURIUM - TELLURONIUM (Web2) (3)
YTTERBIUM - YERITSATUMB (Armenia) (3)  ZIRCONIUM - ROUMANICIZE (4)

4 letters added
UNNILPENTIUM - TRAINING-PENDULUM (DF no example)

5 letters added
UNNILQUADIUM - QUADRIENNIIUM UTILE (phrase Web2) (DF no example)
UNNILSEPTIUM - PNEUMONOPLEURITIS (Web2) (I have difficulty accepting Darryl’s ‘unnilpentium’)

8 letters added
JOLIOTIUM - JEJUNOILEOSTOMIES (Stedman’s Medical Dictionary) (DF no example).
UNNILHEXIUM - LUNGHEMENGGUZUXIANG (China) (DF no example).

Optimal transadditions have now been found for 93 of the 122 element names listed in Darryl’s article. Adding one for PROACTINIUM brings the current count to 94 out of 123.