MORE TETRAGRAM PERMUTATIONS

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In the May 1984 issue of Word Ways, the editor presented Websterian words containing tetragrams consisting of all 24 permutations of the letter-sets AIRT, AIST, and AGIR. He commented "there may be additional letter-sets that can be fully permuted into tetragram-embeddable Websterian words" because of the incomplete nature of the Thomas-Kassler-Wooley legal tetragram list. Indeed there are; I exhibit below three more tetragram permutations:

nADIR  DIARY  IRADE
ADRIf  DlRald  sIRDAr
gAIDropsida  DRAin  RADIUS
lAIRD  DRIAs  bRAID
sARDine  dIADRromous  rIAID
ARIDity  IIARD  bRIAl
DAIRy  bIDAr  oRAAl
DARING  mIDRASH  coRDIAL

AGILE  effIGIAL  sILAGE
AGLLitter  GILAKi  tailGATE
tAGLE  ganGLIA  LAGidium
tAILGate  GLAlk  LAGch
ALCId  dIALFLyph  LIAGora
ALIGHT  cranIALGia  LIAGand
GAILY  madrIGAL  nIGAl
GALingale  sILGlarian  neuralGlA

imAGInE  GIANT  coINAGE
mAGNify  vAGINA  martINGAie
campaign  hanGNAI1  mAGNing
visAING  laGNIAppE  nAGie
ANGina  dIAGNose  uNGAinly
shenanIGAN  triANGIle  sporaNGIA
aGAIN  shenanIGAN  nIAgara
orgANic  sIGNAI  shenaNgAn

In the third letter-set, the only words failing to appear in Webster’s Pocket Dictionary are NA1Gie and sporaNGIA; can Word Ways readers replace these with suitable examples? The letter-set AILT is a near-miss, generating Websterian words for all permutations but IALT. Can Word Ways readers find a better example than fIAIT Lux, marred by the internal space?