## Put Down Roots

Put down on your Scrabble board WORD ROOTS that convey a particular description, thought, or meaning (7s then 8s) No new NWL23 words compiled by Jacob Cohen, Asheville Scrabble Club

## 7s [GRAPH] \& [GRAM] \& [GRAF] (write, written, draw)

| AGRAPHA | AAAGHPR | sayings of Jesus not found in Bible [n AGRAPHA] |
| :---: | :---: | :---: |
| ANAGRAM | AAAGMNR | to transpose letters of word or phrase to form new one [v-MMED, -MMING, -S] |
| DIAGRAM | AADGIMR | to illustrate by diagram (graphic design) [v -ED, -MMED, -ING, -MMING, -S] |
| DIGRAPH | ADGHIPR | pair of letters representing single speech sound [ $\mathrm{n}-\mathrm{S}$ ] |
| ENGRAFT | AEFGNRT | to graft for propagation [ V -ED, -ING, -S] |
| ENGRAMS | AEGMNRS | ENGRAM, durable mark caused by stimulus upon protoplasm [ n ] |
| EPIGRAM | AEGIMPR | brief, witty remark [n-S] |
| GRAFTED | ADEFGRT | GRAFT, to unite with growing plant by insertion [v] |
| GRAFTER | AEFGRRT | one that grafts (to unite with growing plant by insertion) [ $\mathrm{n}-\mathrm{S}$ ] |
| GRAMARY | AAGMRRY | gramarye (occult learning; magic) [ $n$-RIES] |
| GRAMMAR | AAGMMRR | study of formal features of language [ $\mathrm{n}-\mathrm{S}$ ] |
| GRAPHED | ADEGHPR | GRAPH, to represent by -S of diagram [v] |
| GRAPHIC | ACGHIPR | product of art of representation [ $\mathrm{n}-\mathrm{S}$ ] |
| INGRAFT | AFGINRT | to engraft (to graft for propagation) [ V -ED, -ING, -S] |
| ISOGRAM | AGIMORS | line on map connecting points of equal value [ $\mathrm{n}-\mathrm{S}$ ] |
| PANGRAM | AAGMNPR | sentence that includes all letters of alphabet [ $\mathrm{n}-\mathrm{S}$ ] |
| PROGRAM | AGMOPRR | to arrange in plan of proceedings [ V -ED, -MMED, -ING, -MMING, -S] |
| REGRAFT | AEFGRRT | to graft again [V-ED, -ING, -S] |
| TANGRAM | AAGMNRT | Chinese puzzle [ $\mathrm{n}-\mathrm{S}$ ] |
| TRIGRAM | AGIMRRT | cluster of three successive letters [n-S] |
| UROGRAM | AGMORRU | X-ray of part of urinary tract [ $\mathrm{n}-\mathrm{S}$ ] |

## 8s [GRAPH] \& [GRAM] \& [GRAF] (write, written, draw)

| AEROGRAM | AAEGMORR | airmail letter [ $\mathrm{n}-\mathrm{S}$ ] |
| :---: | :---: | :---: |
| AGRAPHIA | AAAGHIPR | mental disorder marked by inability to write [ $\mathrm{n}-\mathrm{S}$ ] |
| AGRAPHIC | AACGHIPR | AGRAPHIA, mental disorder marked by inability to write [adj] |
| BAROGRAM | AABGMORR | barometric reading [ $\mathrm{n}-\mathrm{S}$ ] |
| DIAGRAPH | AADGHIPR | drawing device [ $\mathrm{n}-\mathrm{S}$ ] |
| ECHOGRAM | ACEGHMOR | record produced by device that uses ultrasonic waves [ $\mathrm{n}-\mathrm{S}$ ] |
| ENGRAMME | AEEGMMNR | engram (durable mark caused by stimulus upon protoplasm) [n-S] |
| EPIGRAPH | AEGHIPPR | engraved inscription [ $\mathrm{n}-\mathrm{S}$ ] |
| ETHOGRAM | AEGHMORT | list of behavior patterns of species [ $n-S$ ] |
| GENOGRAM | AEGGMNOR | diagram of history of behavior patterns of family [ $n-S$ ] |
| GRAFFITI | AFFGIIRT | GRAFFITO, inscription or drawing made on rock or wall [ $n$ ] / to draw graffiti on [V -ED, -ING, -NG, -S] |
| GRAFFITO | AFFGIORT | inscription or drawing made on rock or wall [ n -TI] |
| GRAFTAGE | AAEFGGRT | process of grafting [ $\mathrm{n}-\mathrm{S}$ ] |
| GRAFTING | AFGGINRT | GRAFT, to unite with growing plant by insertion [v] |
| GRAMARYE | AAEGMRRY | occult learning; magic [ $n-S$ ] |
| GRAPHEME | AEEGHMPR | unit of writing system [ $\mathrm{n}-\mathrm{S}$ ] |
| GRAPHENE | AEEGHNPR | sheet of carbon atoms [ $\mathrm{n}-\mathrm{S}$ ] |
| GRAPHING | AGGHINPR | GRAPH, to represent by means of diagram [v] |
| GRAPHITE | AEGHIPRT | variety of carbon [ $\mathrm{n}-\mathrm{S}$ ] |
| HEXAGRAM | AAEGHMRX | six-pointed star [n-S] |

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| HOLOGRAM | AGHLMOOR | three-dimensional photograph [ $\mathrm{n}-\mathrm{S}$ ] |
| :---: | :---: | :---: |
| IDEOGRAM | ADEGIMOR | type of written symbol [ $\mathrm{n}-\mathrm{S}$ ] |
| ISOGRAFT | AFGIORST | to transplant from one individual to another of same species [V-ED, -ING, -S] |
| ISOGRAPH | AGHIOPRS | line on map indicating areas that are linguistically similar [ $n-S$ ] |
| KYMOGRAM | AGKMMORY | record of fluid pressure [ $\mathrm{n}-\mathrm{S}$ ] |
| LEXIGRAM | AEGILMRX | symbol representing word [ $\mathrm{n}-\mathrm{S}$ ] |
| LIPOGRAM | AGILMOPR | writing in which certain letter of alphabet is omitted [ $\mathrm{n}-\mathrm{S}$ ] |
| LOGOGRAM | AGGLMOOR | symbol used to represent entire word [ $\mathrm{n}-\mathrm{S}$ ] |
| MAILGRAM | AAGILMMR | trademark [ $\mathrm{n}-\mathrm{S}$ ] |
| MISGRAFT | AFGIMRST | to graft wrongly [v-ED, -ING, -S] |
| MONOGRAM | AGMMNOOR | to mark with design of one's initials [ V -ED, -MMED, -ING, -MMING, -S] |
| MYOGRAPH | AGHMOPRY | instrument for recording muscular contractions [ $\mathrm{n}-\mathrm{S}$ ] |
| NOMOGRAM | AGMMNOOR | type of graph [n-S] |
| ODOGRAPH | ADGHOOPR | odometer (device for measuring distance traveled) [ $n-S$ ] |
| ONDOGRAM | ADGMNOOR | graph of electric wave forms [ $\mathrm{n}-\mathrm{S}$ ] |
| RENOGRAM | AEGMNORR | photographic depiction of course of renal excretion [n-S] |
| SKIAGRAM | AAGIKMRS | picture made up of shadows or outlines [ $\mathrm{n}-\mathrm{S}$ ] |
| SONOGRAM | AGMNOORS | image produced by ultrasound [ $\mathrm{n}-\mathrm{S}$ ] |
| SUBGRAPH | ABGHPRSU | graph contained within larger graph [ $\mathrm{n}-\mathrm{S}$ ] |
| TELEGRAM | AEEGLMRT | to send message by telegraph [ V -MMED, -MMING, -S] |
| TOMOGRAM | AGMMOORT | photograph made with X-rays [ $\mathrm{n}-\mathrm{S}$ ] |
| TRIGRAPH | AGHIPRRT | group of three letters representing one sound [ $\mathrm{n}-\mathrm{S}$ ] |
| VENOGRAM | AEGMNORV | roentgenogram of vein [ $\mathrm{n}-\mathrm{S}$ ] |
| ZYMOGRAM | AGMMORYZ | record of separated proteins after electrophoresis [ $\mathrm{n}-\mathrm{S}$ ] |

