

PUBLICATIONS OF THE  
ASTRONOMICAL SOCIETY OF THE PACIFIC

---



---

Vol. 48

San Francisco, California, June, 1936

No. 283

---



---

STAR NAME PRONUNCIATION

BY H. B. RUMRILL

The correct pronunciation; or approximately correct pronunciation, of the names of stars and constellations does not seem to have received the attention it deserves. This is evident from the various ways in which these names are frequently pronounced, even by astronomers. Doubtless it is not to be expected that, in their devotion to the more important aspects of astronomical science, they should also be profound students of philology, and possibly but few are acquainted with the Arabic tongue, from which so many of the star names, in more or less corrupted form, have been derived.

In the matter of stellar orthoëpy there is, however, a middle ground between high attainment in the ancient languages, and ignorance of the fundamentals of pronunciation of the names commonly found in astronomical literature. This is aptly illustrated by an editorial which appeared in a New York newspaper<sup>1</sup> many years ago, quoted in full as follows:

In the debate on compulsory Greek at Cambridge University, Professor Jebb dwelt on the horrors (and the humors) of a Greekless age. He reinforced his argument with a letter from a dweller in a Greekless land, Professor Haslam of New Zealand. "It has been my lot," that gentleman wrote, "to mourn over an old friend disguised under the name of Andromash, and sadly to infer the identity of one of the parties in a story about 'Cupid and Sich.' I have also been asked to give my candid opinion of the merits of a poem of which one verse ran as follows:

'I am come from beds of lotus,  
Where the oft-redundant Nile  
Still, as sang old Herodotus,  
Ripples with unnumbered smile.'

---

<sup>1</sup> *The Evening Post*, New York, December 17, 1904.

And once an English friend of mine went up to the top of the Observatory here to look at the stars through the telescope with a party of smart Australians. I sat down on the lowest step to wait for him, and lighted the pipe of patience; but I had hardly time for half a dozen whiffs when I heard, as Bunyan says, 'the sound of one running at a great padding pace' down the winding staircase, and an agitated voice exclaimed in my ear, 'O, take me out of this, they are all calling him "Boots" up there!' How many Greekless generations will it take before they 'call him "Boots"' at the Royal Observatory, Greenwich?" Of course, Boötes was meant.

Likewise, there are not a few variants in the spelling of the names of many of the stars, probably due to indifference, and occasionally to errors in transcribing and printing.

The following list has been compiled from a number of sources, and the pronunciation and spelling are largely those found in the *Century Dictionary and Cyclopædia*, under the able editorship of Professor Charles A. Young, of Princeton University, now deceased. Allen's *Star Names and Their Meanings* has been consulted throughout as the principal aid in making the list authoritative. (That writer referred to the former source as containing "the most correct, detailed, concise, and scholarly list that we have.")

Where no authentic pronunciations have been obtainable only the names themselves, with their catalogue designations, are included, although it might be remarked that in many cases the correct pronunciation is either self-evident or derivable from analogy.

#### TABLE OF STARS\*

Stars and Constellations (With Pronunciation)	Catalogue Designations
Acamar (ak'a-mär) [Dhalim]	<i>θ Eridani</i>
Achernar (a-ker'när) [Achenar; Archamar]	<i>α Eridani</i>
Acubens (ak-ū-bens') [Sartan]	<i>α Cancri</i>

\* Names of stars are in capitals and lower case; names of constellations and asterisms in capitals and small capitals; pronunciation between parentheses ( ) with diacritical marks as used by *Century Dictionary and Cyclopædia*; alternative names and spellings between brackets [ ]; catalogue designations in italics.

Stars and Constellations (With Pronunciation)	Catalogue Designations
Adara (a-dā'ra) [Adhara; Adard; etc.]	$\epsilon$ <i>Canis Majoris</i>
Adhil	$\xi$ <i>Andromedae</i>
Agena	$\beta$ <i>Centauri</i>
Ain	$\epsilon$ <i>Tauri</i>
Akrab (ak'rab) [Graffias]	$\beta$ <i>Scorpii</i>
ALAHANCE (al-a-hans') [SAGITTA]	
Alamac (al'a-mak) [Alamak; Alamech; Almaach; etc.]	$\gamma$ <i>Andromedae</i>
Al Bali	$\epsilon$ <i>Aquarii</i>
Albireo (al-bir'ē-ō)	$\beta$ <i>Cygni</i>
Alcaid (al-kād') [Alkaid; Benetnasch]	$\eta$ <i>Ursae Majoris</i>
Alchemb (al-kemb') [Mirfak; Algenib]	$\alpha$ <i>Persei</i>
Alchiba (al-kī-bā') [Alkhiba]	$\alpha$ <i>Corvi</i>
Alcor (al-kôr') [Aliore]	g or Fl. 80 <i>Ursae Majoris</i>
Alcyone (al-sī'ō-nē)	Fl. 25 <i>Pleiadum</i>
Aldebaran (äl-de-ba-rän' or al-deb'a-ran)	$\alpha$ <i>Tauri</i>
Alderamin (al-der-am'in) [Al Derab; Al Deraf; Alredat; etc.]	$\alpha$ <i>Cephei</i>
Aldhafera	$\zeta$ <i>Leonis</i>
Al Dhiba [Ed Asich; Eldsich]	$\iota$ <i>Draconis</i>
Al Dhibain	$\zeta$ and $\eta$ <i>Draconis</i>
Alfeta (al'fe-tä) [Alphecca; Gemma]	$\alpha$ <i>Coronae Borealis</i>
Alfirk (al-fêrk') [Alphirk]	$\beta$ <i>Cephei</i>
Algebar (al'je-bär) [Rigel]	$\beta$ <i>Orionis</i>
Algeiba (al-jē'ba) [Algieba]	$\gamma$ <i>Leonis</i>
Algenib (al'je-nib)	$\gamma$ <i>Pegasi</i>
Algenib (al'je-nib) [Alchemb; Mirfak]	$\alpha$ <i>Persei</i>
Algenubi (al-je-nö'bi)	$\epsilon$ <i>Leonis</i>
Algol (al'gol)	$\beta$ <i>Persei</i>
Algorab (al-go-räb') [Algores]	$\delta$ <i>Corvi</i>

Stars and Constellations (With Pronunciation)	Catalogue Designations
Algiedi Prima (al'jē-dē)	$\alpha^1$ <i>Capricorni</i>
Algiedi Secunda	$\alpha^2$ <i>Capricorni</i>
Alhena (al-hen'a) [Almeisam; Almeisan; etc.]	$\gamma$ <i>Geminorum</i>
Alioth (al'i-oth)	$\epsilon$ <i>Ursae Majoris</i>
Al Kaff al Jidhmah	$\gamma$ <i>Ceti</i>
Alkaid (al-kād') [Alcaid; Benetnasch]	$\eta$ <i>Ursae Majoris</i>
Alkalurops (al-ka-lū'rops)	$\mu$ <i>Boötis</i>
Alkes (al'kes)	$\alpha$ <i>Crateris</i>
Almaach (al'mak) [Almach; Alamak; Alamach; etc.]	$\gamma$ <i>Andromedae</i>
Almeisam (al-mē-i-sām') [Almeisan; Almisan; Alhena; etc.]	$\gamma$ <i>Geminorum</i>
Al Mizan	$\alpha$ and $\beta$ <i>Trianguli</i>
Almuredin (al-mū-re-din') [Vindemiatrix]	$\epsilon$ <i>Virginis</i>
Alnilam (al-ni-lām') [Alnihan; Anilam; etc.]	$\epsilon$ <i>Orionis</i>
Alnitak (al-ni-tak') [Alnitah; Anitak]	$\zeta$ <i>Orionis</i>
Al Nitham	$\phi$ <i>Ceti</i>
Al Niyat	$\sigma$ and $\tau$ <i>Scorpii</i>
Alphard (al-färd') [Alfard; Alpherd; Cor Hydrae; etc.]	$\alpha$ <i>Hydrae</i>
Alphecca (al-fek'ka) [Alphacca; Alfeta; Gemma; etc.]	$\alpha$ <i>Coronae Borealis</i>
Alpheratz (al-fe-rats') [Alpherat; Sirrah]	$\alpha$ <i>Andromedae</i>
Alphirk (al-fèrk') [Alfirk]	$\beta$ <i>Cephei</i>
Al Rakis [Arrakis; Errakis]	$\mu$ <i>Draconis</i>
Alrami	$\alpha$ <i>Sagittarii</i>
Al Rescha (al-re-shä') [Al Rischa; Kaitain; Okda; etc.]	$\alpha$ <i>Piscium</i>
Alsaphi (al-sā'fi)	$\sigma$ <i>Draconis</i>
Alshain (al-shān') [Alschain]	$\beta$ <i>Aquilae</i>
Alshemali (al-shē-mä'li)	$\mu$ <i>Leonis</i>
Al Shira [Sirius]	$\alpha$ <i>Canis Majoris</i>
Al Suhail al Muhlif	$\gamma$ <i>Velorum</i>

Stars and Constellations (With Pronunciation)	Catalogue Designations
Altair (al-tār')	$\alpha$ <i>Aquilae</i>
[Althair; Atair; Athair; etc.]	
Al Tarf	$\beta$ <i>Cancri</i>
Alterf (al-tèrf')	$\lambda$ <i>Leonis</i>
Al Thalimain	$\iota$ and $\lambda$ <i>Aquilae</i>
Al Tinnin (al-tin-nin')	$\alpha$ <i>Draconis</i>
[Thuban]	
Aludra (al-ö'dra)	$\eta$ <i>Canis Majoris</i>
Alula Australis (al'ü-la)	$\xi$ <i>Ursae Majoris</i>
Alula Borealis	$\nu$ <i>Ursae Majoris</i>
Alwaid (al-wīd')	$\beta$ <i>Draconis</i>
[Rastaban]	
Alya (al'ya)	$\theta$ <i>Serpentis</i>
Alzuba (al'zū-bra)	72 <i>Leonis</i>
Ancha	$\theta$ <i>Aquarii</i>
ANDROMEDA (an-drom'e-da)	
Angetenar (an-get'en-ar)	$\tau^2$ <i>Eridani</i>
ANSER (an'sèr)	
Antares (an-tā'rez)	$\alpha$ <i>Scorpii</i>
[Kalb al Akrab; Cor Scorpionis; Cor Scorpii]	
ANTINOUS (an-tin'ō-us)	
ANTLIA (ant'li-a)	
APUS (ā'pus)	
AQUARIUS (a-kwā'ri-us)	
AQUILA (ak'wi-lä)	
ARA (ā'ra)	
Arcturus (ark-tū'rus)	$\alpha$ <i>Boötis</i>
[Aramech; Kolauza]	
ARGO [NAVIS] (är'gō nā'vis)	
Arided (ar'i-ded)	$\alpha$ <i>Cygni</i>
[Deneb]	
ARIES (ā'ri-ēz)	
Arkab (är'kab)	$\beta$ <i>Sagittarii</i>
[Urkab]	
Arneb (är'neb)	$\alpha$ <i>Leporis</i>
[Arnab; Arsh]	
Arrai (ar-rā'ē)	$\gamma$ <i>Cephei</i>
[Errai]	
Arrakis (ar'rā-kis)	$\mu$ <i>Draconis</i>
[Al Rakis; Errakis]	
Arsh	$\alpha$ <i>Leporis</i>
[Arneb]	
Ascella (a-sel'la)	$\xi$ <i>Sagittarii</i>

Stars and Constellations (With Pronunciation)	Catalogue Designations
Asellus Australis (a-sel'lus)	$\delta$ <i>Cancri</i>
Asellus Borealis	$\gamma$ <i>Cancri</i>
Aspidiske (as-pi-dis'kē) [Scutulum; Turais; Turyeish]	$\iota$ <i>Carinae</i>
ASTERION (as-tē'ri-on)	
Asterope [Sterope I and II]	Fl. 21 and 22 <i>Pleiadum</i>
Atair (a-tār) [Altair; Athair; etc.]	$\alpha$ <i>Aquilae</i>
Atik (ā'tik) [Ati]	$\circ$ <i>Persei</i>
Atlas (at'las)	Fl. 27 <i>Pleiadum</i>
AURIGA (â-rī'ga)	
Azelfafage	$\pi^1$ <i>Cygni</i>
Azha (a-zhā')	$\eta$ <i>Eridani</i>
Azimech (az'i-mek) [Spica]	$\alpha$ <i>Virginis</i>
Baham (ba-hām')	$\theta$ <i>Pegasi</i>
Baten Kaitos (bā'ten kī'tos)	$\zeta$ <i>Ceti</i>
Beid (bād)	$\sigma^1$ <i>Eridani</i>
Bellatrix (bel'a-triks)	$\gamma$ <i>Orionis</i>
Benetnasch (be-net'nash) [Alcaid; Alkaid; etc.]	$\eta$ <i>Ursae Majoris</i>
Betelgeuze (bet-el-gèrz') [Betelgeuse; Betelgeux; Mirzam]	$\alpha$ <i>Orionis</i>
BOÖTES (bō-ō'tēz)	
Botein (bō-tē-in')	$\delta$ and $\varepsilon$ <i>Arietis</i>
CAELUM (sē'lum)	
CAMELOPARDALIS (kam''e-lō-pār'da-lis) [CAMELOPARDUS]	
CANCER	
CANES VENATICI (kā'nez vē-nat'i-sē)	
CANIS MAJOR	
CANIS MINOR	
Canopus (ka-nō'pus) [Soheil]	$\alpha$ <i>Carinae</i>
Capella (ka-pel'la)	$\alpha$ <i>Aurigae</i>
Caph (kaf) [Chaff; Kaff]	$\beta$ <i>Cassiopeiae</i>
CAPRICORNUS (kap-ri-kôr'nus)	
CARINA (ka-rī'na)	
CASSIOPEIA (kas''i-ō-pē'ya)	

Stars and Constellations (With Pronunciation)	Catalogue Designations
Castor (kas'tor)	$\alpha$ <i>Geminorum</i>
Cebalrai (se-bal'ra-ē) [Cebalrai; Cheleb]	$\beta$ <i>Serpentis</i>
Celaeno (se-lē'nō)	Fl. 16 <i>Pleiadum</i>
CENTAURUS (sen-tā'rus)	
CEPHEUS (sē'fūs)	
CETUS (sē'tus)	
CHAMAELEON (kā-mē'lē-on)	
Chaph (kaf) [Caph; Kaff]	$\beta$ <i>Cassiopeiae</i>
CHARA (kā'ra)	
Chara	$\beta$ <i>Canum Venaticorum</i>
Cheleb (kel'eb) [Cebalrai; Celbalrai]	$\beta$ <i>Serpentis</i>
Chort (chôrt)	$\theta$ <i>Leonis</i>
CIRCINUS (sēr'si-nus)	
COLUMBA (kō-lum'ba)	
COMA BERENICES (kō'ma ber-e-nī'sēz)	
Cor Caroli (kôr kar'ō-lī)	$\alpha$ <i>Canum Venaticorum</i>
Cor Hydrae (kôr hī'drē) [Alphard]	$\alpha$ <i>Hydrae</i>
Cor Leonis (kôr lē-ō'nis) [Regulus]	$\alpha$ <i>Leonis</i>
CORONA AUSTRALIS (kō-rō'na âs-trā'lis)	
CORONA BOREALIS (kō-rō'na bō-rē-ā'lis)	
Cor Scorpionis (kôr skôr-pi-ō'nis) [Antares; Kalb al Akrab; Cor Scorpii]	$\alpha$ <i>Scorpii</i>
Cor Serpentis (kôr ser-pen'tis) [Unukalhai]	$\alpha$ <i>Serpentis</i>
CORVUS (kôr'vus)	
CRATER	
CRUX	
Cujam	$\omega$ <i>Herculis</i>
Cursa (kēr'sa)	$\beta$ <i>Eridani</i>
CYGNUS (sig'nus)	
Cynosura (sī-nō-sū'ra) [Polaris; Ruccaba; etc.]	$\alpha$ <i>Ursae Minoris</i>
Dabih Major (dā'bē)	$\beta^1$ <i>Capricorni</i>
Dabih Minor	$\beta^2$ <i>Capricorni</i>
Dafirah (da-fē'ra) [Denebola; Serpha]	$\beta$ <i>Leonis</i>
DELPHINUS (del-fi'nus)	

Stars and Constellations (With Pronunciation)	Catalogue Designations
Deneb (den'eb) [Aried]	$\alpha$ <i>Cygni</i>
Deneb Algedi (den'eb al'jē-dē)	$\delta$ <i>Capricorni</i>
Deneb Algenubi (den'eb al-je-nū'bē)	$\eta$ <i>Ceti</i>
Deneb-al-okab (den'eb-al-o-kâb')	$\epsilon$ and $\zeta$ <i>Aquilae</i>
Deneb-al-shemali (den'eb-al-she-mä'li)	$\iota$ <i>Ceti</i>
Deneb Kaitos (den'eb kī'tos) [Diphda]	$\beta$ <i>Ceti</i>
Denebola (dē-neb'ō-la) [Dafirah; Serpha]	$\beta$ <i>Leonis</i>
Dhalim (thā'lim) [Acamar]	$\theta$ <i>Eridani</i>
Diphda (dif'da) [Deneb Kaitos]	$\beta$ <i>Ceti</i>
DORADO (dō-rā'dō)	
DRACO (drā'kō)	
Dschabe first (dschäb'e)	$\alpha^1$ <i>Capricorni</i>
Dschabe second	$\alpha^2$ <i>Capricorni</i>
Dschubba (dschub'ba)	$\delta$ <i>Scorpii</i>
Dsiban (dsī'ban)	$\psi$ <i>Draconis</i>
Dubhe (döb'he) [Dubbhe; Dubb]	$\alpha$ <i>Ursae Majoris</i>
Duhr (dör) [Dhur; Zosma; Zubra]	$\delta$ <i>Leonis</i>
Ed Asich (ed-a-dzik') [Al Dhiba; Eldsich]	$\iota$ <i>Draconis</i>
Eldsich (el-dzik')	$\iota$ <i>Draconis</i>
Electra (e-lek'tra)	Fl. 17 <i>Pleiadum</i>
El-Karidab (el-kar'i-dab) [Kaus Media]	$\delta$ <i>Sagittarii</i>
Elnasl (el-nasl') [Waridah]	$\gamma$ <i>Sagittarii</i>
El Nath [Nath]	$\beta$ <i>Tauri</i>
El Rischa (el-ri-shä') [Al Rescha; Al Rischa]	$\alpha$ <i>Piscium</i>
Eltanin (el'ta-nin) [Ettanin; Etamin; etc.]	$\gamma$ <i>Draconis</i>
Enif (en'if) [Enf; Enir]	$\epsilon$ <i>Pegasi</i>
EQUULEUS (e-kwö'lē-us)	
ERIDANUS (e-rid'a-nus)	

Stars and Constellations (With Pronunciation)	Catalogue Designations
Errai (er-rä'ë) [Arrai]	$\gamma$ <i>Cephei</i>
Errakis (er'rā-kis) [Arrakis; Al Rakis]	$\mu$ <i>Draconis</i>
Etamin (et'ā-min) [Eltanin; Etanin; etc.]	$\gamma$ <i>Draconis</i>
Fomalhaut (fō'mal-hât) FORNAX	$\alpha$ <i>Piscis Australis</i>
Furud (fu-röd') [Phurud]	$\zeta$ <i>Canis Majoris</i>
GEMINI (jem'i-nī)	
Gemma (jem'ma) [Alphecca; Alphacca; Alfeta]	$\alpha$ <i>Coronae Borealis</i>
Genam [Grumium]	$\xi$ <i>Draconis</i>
Giauzar [Gianzar; Juza]	$\lambda$ <i>Draconis</i>
Giedi, Prima (jē'dē)	$\alpha^1$ <i>Capricorni</i>
Giedi, Secunda	$\alpha^2$ <i>Capricorni</i>
Gienah	$\gamma$ <i>Corvi</i>
Gienah	$\varepsilon$ <i>Cygni</i>
Gomeisa (gō-mi'za) [Gomelza]	$\beta$ <i>Canis Minoris</i>
Graffias [Akrab]	$\beta$ <i>Scorpii</i>
Grumium (grö'mi-um) [Grummium; Genam]	$\xi$ <i>Draconis</i>
GRUS	
Hamal (ha-mäl') [Hamel; Hemal; Ras Hammel; etc.]	$\alpha$ <i>Arietis</i>
Heka (hek'a) [Meissa]	$\lambda$ <i>Orionis</i>
HERCULES (hēr'kū-lēz)	
Homam (hō-mām') [Homan]	$\zeta$ <i>Pegasi</i>
HOROLOGIUM (hor-o-lō'ji-um)	
HYADES (hī'a-dēz)	
HYDRA (hī'dra)	
HYDRUS (hī'drus)	

Stars and Constellations (With Pronunciation)	Catalogue Designations
INDUS	
Izar (ē-zār') [Pulcherrima]	ε <i>Boötis</i>
Jabbah (jab'ba)	ν <i>Scorpii</i>
Jabhat-al-Akrab	ω <sup>1</sup> and ω <sup>2</sup> <i>Scorpii</i>
Juza (jō'za) [Giauzar]	λ <i>Draconis</i>
Kaitain [Al Rescha ; Okda ; etc.]	α <i>Piscium</i>
Kalb al Akrab (kāl'b-al-ak'rab) [Antares ; Cor Scorpionis]	α <i>Scorpii</i>
Kaus Australis (kâs)	ε <i>Sagittarii</i>
Kaus Borealis	λ <i>Sagittarii</i>
Kaus Media [El Karidab]	δ <i>Sagittarii</i>
Keid (kē'id) [Al-kaid ; Kied]	ο <sup>2</sup> <i>Eridani</i>
Kerb	τ <i>Pegasi</i>
Kiffa Australis (kif'fa) [Zubenalgenubi]	α <i>Librae</i>
Kiffa Borealis [Zubenalshemali]	β <i>Librae</i>
Kitalpha (kit'al-fa)	α <i>Equulei</i>
Kochab (kō-kāb') [Kocab]	β <i>Ursae Minoris</i>
Kolauza (ko-lâ'za) [Arcturus]	α <i>Boötis</i>
Korneforos [Kornephoros ; Rutilico]	β <i>Herculis</i>
LACERTA (lā-ser'ta)	
La Superba	152 Schjellerup <i>Canum Venaticorum</i>
LEO	
LEO MINOR	
LEPUS (lē'pus)	
Lesath (lē-sath') [Lesuth]	ν <i>Scorpii</i>
LIBRA (lē'bra)	
LUPUS (lū'pus)	
LYNX	
LYRA	

Stars and Constellations (With Pronunciation)	Catalogue Designations
Maia (mā'ya)	Fl. 20 <i>Pleiadum</i>
MALUS (mā'lus)	
Marfak (mär'fak)	$\theta$ and $\eta$ <i>Cassiopeiae</i>
Marfik (mär'fik)	$\kappa$ <i>Herculis</i>
[Marfic; Marfak; etc.]	
Marfik (mär'fik)	$\lambda$ <i>Ophiuchi</i>
Markab (mär'kab)	$\alpha$ <i>Pegasi</i>
[Marchab]	
Masym (mā'sim)	$\lambda$ <i>Herculis</i>
[Maasym; Mazim; etc.]	
Matar (ma'tar)	$\eta$ <i>Pegasi</i>
Mebstuta (meb-sö'ta)	$\epsilon$ <i>Geminorum</i>
[Meboula; Menita; etc.]	
Megrez (mē'grez)	$\delta$ <i>Ursae Majoris</i>
Meissa	$\lambda$ <i>Orionis</i>
[Hēka]	
Mekbuda (mek-bū'da)	$\zeta$ <i>Geminorum</i>
Menkalinan (men-ka-lē-nan' or men-kal'i-nan)	$\beta$ <i>Aurigae</i>
[Menkalinam]	
Menkar (men'kär)	$\alpha$ <i>Ceti</i>
[Menkab; Monkar]	
Menkib (men-kib')	$\beta$ <i>Pegasi</i>
[Scheat]	
MENSA (men'sa)	
Merak (mē'rak)	$\beta$ <i>Ursae Majoris</i>
[Mirak]	
Merga	h or Fl. 38 <i>Boötis</i>
[Marrha]	
Merope (mer'ō-pē)	Fl. 23 <i>Pleiadum</i>
Mesartim (mē-sär'tim)	$\gamma$ <i>Arietis</i>
[Mesarthim; Mesartun]	
Miaplacidus	$\beta$ <i>Carinae</i>
MICROSCOPIUM	
Mintaka (min'ta-ka)	$\delta$ <i>Orionis</i>
Mira (mī'ra or mē'ra)	$\omicron$ <i>Ceti</i>
[Stella Mira; Collum Ceti]	
Mirach (mī'rak or mē'rak)	$\beta$ <i>Andromedae</i>
[Mirak; Mirac; Merach; etc.]	
Mirak (mī'rak)	$\zeta$ <i>Ursae Majoris</i>
Mirfak (mēr'fak)	$\alpha$ <i>Persei</i>
[Mirzak; Alchemb; Algenib]	
Mirzam (mēr-zām')	$\beta$ <i>Canis Majoris</i>
[Murzim; Mirza]	
Mizar (mī'zar or mē'zar)	$\zeta$ <i>Ursae Majoris</i>

Stars and Constellations (With Pronunciation)	Catalogue Designations
MONOCEROS (mō-nos'e-ros)	
Muhlifain, the	$\lambda, \gamma$ , <i>Velorum</i> ; $\xi$ <i>Puppis</i>
Muliphen (mū-li-fen')	$\gamma$ <i>Canis Majoris</i>
Muphrid (mū'frid)	$\eta$ <i>Boötis</i>
[Mufrid; Mufride; Saak]	
Murzim (mur'zim)	$\beta$ <i>Canis Majoris</i>
[Mirzam; Mirza]	
MUSCA (mus'ka)	
Naos (nā'os)	$\zeta$ <i>Puppis</i>
Nashira (nā'shi-ra)	$\gamma$ <i>Capricorni</i>
Nath	$\beta$ <i>Tauri</i>
[El Nath]	
Nekkar (nek'kar)	$\beta$ <i>Boötis</i>
[Nakkar]	
Nihal (ni-häl')	$\beta$ <i>Leporis</i>
NORMA (nôr'ma)	
Nuhatai	$\eta, \lambda, \mu$ <i>Geminorum</i>
Nusakan (nu-sä'kan)	$\beta$ <i>Coronae Borealis</i>
OCTANS	
Okda (ok'da)	$\alpha$ <i>Piscium</i>
[Al Rescha; Kaitain]	
OPHIUCHUS (of-i-ū'kus)	
ORION (ō-rī'on)	
PAVO (pā'vō)	
PEGASUS (peg'a-sus)	
PERSEUS (per'sūs)	
Phact (fakt)	$\alpha$ <i>Columbae</i>
[Phaet; Phad]	
Phaed (fā'ed)	$\gamma$ <i>Ursae Majoris</i>
[Phecda; Phegda; etc.]	
Pherkad Major (fēr'kad)	$\gamma^1$ <i>Ursae Minoris</i>
Pherkad Minor	$\gamma^2$ <i>Ursae Minoris</i>
PHOENIX	
Phurud (fu-röd')	$\zeta$ <i>Canis Majoris</i>
[Furud]	
PICTOR (pic'tôr)	
PISCES	
PISCIS AUSTRALIS [AUSTRINUS]	
Pishpai (pish-pī')	$\mu$ <i>Geminorum</i>
[Tejat Posterior]	

ASTRONOMICAL SOCIETY OF THE PACIFIC 151

Stars and Constellations (With Pronunciation)	Catalogue Designations
PLEIADES (plī'a-dēz)	
Pleione	Fl. 28 <i>Pleiadum</i>
Polaris (pō-lā'ris) [Stella Polaris; Cynosura; Ruccaba; etc.]	α <i>Ursae Minoris</i>
Pollux (pol'uks)	β <i>Geminorum</i>
Porrina (por'i-ma)	γ <i>Virginis</i>
PRAESEPE (prē-sē'pe) [PRESEPE; PESEBRE]	ε <i>Cancri</i>
Procyon (prō'si-on) [Prociore; Prochion]	α <i>Canis Minoris</i>
Propus (prō'pus) [Tejat Prior]	η <i>Geminorum</i>
Pulcherrima [Izar]	ε <i>Boötis</i>
PUPPIS	
PYXIS (NAUTICA)	
Rasalas (ras'a-las)	μ <i>Leonis</i>
Ras Algethi (räs-al-gē'thi)	α <i>Herculis</i>
Ras Alhague (räs-al-hā'gū)	α <i>Ophiuchi</i>
Rastaban (räs-ta-bän') [Rastaben; Alwaid]	β <i>Draconis</i>
Regulus (reg'ū-lus) [Cor Leonis]	α <i>Leonis</i>
RETICULUM (rē-tik'ū-lum)	
Rigel (rē'jel or rī'jel) [Algebar]	β <i>Orionis</i>
Rigil Kentaurus (rē'jil or rī'jil)	α <i>Centauri</i>
Rotanev (rot'a-nev)	β <i>Delphini</i>
Rucbah (ruk'ba)	ε <i>Cassiopeiae</i>
Rucbat (ruk'bat) [Rucba; Rucbah; etc.]	α <i>Sagittarii</i>
Ruccaba (ruc-cä'ba) [Polaris; Cynosura; etc.]	α <i>Ursae Minoris</i>
Ruchba (ruk'ba)	ω <sup>3</sup> <i>Cygni</i>
Ruchbah (ruk'ba)	δ <i>Cassiopeiae</i>
Rutilico (rö-til'i-cō) [Korneforos]	β <i>Herculis</i>
Saak (sä-äk') [Muphrid]	η <i>Boötis</i>
Sabik	η <i>Ophiuchi</i>
Sad (säd) [Sad-mator]	η <i>Pegasi</i>

Stars and Constellations (With Pronunciation)	Catalogue Designations
Sadachbia (säd-ak-bē'ya)	$\gamma$ <i>Aquarii</i>
Sadalmelik (säd-al-mel'ik)	$\alpha$ <i>Aquarii</i>
Sadalsuud (säd-al-sö-ud' or säd-al-söd')	$\beta$ <i>Aquarii</i>
Sadatoni (sad-a-tō'ni)	$\zeta$ <i>Aurigae</i>
Sadir (sä'der)	$\gamma$ <i>Cygni</i>
[Sadr]	
Sadira (sad'ē-ra)	$\sigma$ <i>Sagittarii</i>
SAGITTA (sä-jit'ta)	
SAGITTARIUS (saj-i-tā'ri-us)	
Saiph (sä-if')	$\kappa$ <i>Orionis</i>
Salm	$\tau$ <i>Pegasi</i>
Sartan	$\alpha$ <i>Cancri</i>
[Acubens]	
Scheat (shē'at)	$\beta$ <i>Pegasi</i>
[Menkib]	
Scheddi (shed'di)	$\delta$ <i>Capricorni</i>
Schedir (shā'dir or shē'dir)	$\alpha$ <i>Cassiopeiae</i>
SCORPIO [SCORPIUS]	
SCULPTOR	
Scutulum	$\iota$ <i>Carinae</i>
[Aspidiske; Turais]	
Seginus (se-jī'nus)	$\gamma$ <i>Boötis</i>
SERPENS	
SERPENTARIUS (ser-pen-tā'ri-us) [OPHIUCHUS]	
Serpha	$\beta$ <i>Leonis</i>
[Denebola; Dafirah]	
SEXTANS	
Shaulah (shā'la)	$\lambda$ <i>Scorpii</i>
[Shaula]	
Sheliak (shel'yak)	$\beta$ <i>Lyrae</i>
[Shelyak; Shiliak]	
Sheratan (sher-a-tän)	$\beta$ <i>Arietis</i>
[Sharatan]	
Sirius (sir'i-us)	$\alpha$ <i>Canis Majoris</i>
[Syrius; Al Shira]	
Sirrah (sir'ra)	} $\alpha$ <i>Andromedae</i>
[Alpheratz; Alpherat]	
Situla (sit'ū-la)	$\kappa$ <i>Aquarii</i>
Skat	$\delta$ <i>Aquarii</i>
Soheil (sō'he-il)	$\alpha$ <i>Carinae</i>
[Canopus]	
Spica (spi'ka)	$\alpha$ <i>Virginis</i>
[Azimech]	

ASTRONOMICAL SOCIETY OF THE PACIFIC 153

Stars and Constellations (With Pronunciation)	Catalogue Designations
Sterope I and II [Asterope]	Fl. 21 and 22 <i>Pleiadum</i>
Sulaphat (sö'la-fat) [Sulafat]	$\gamma$ <i>Lyræ</i>
Svalocin (sval'o-sin) [Sualocin]	$\alpha$ <i>Delphini</i>
Syrma (sër'ma)	$\iota$ <i>Virginis</i>
Tais (tä'is) [Al Tais]	$\delta$ <i>Draconis</i>
Talita (tä'le-ta) [Talitha]	$\iota$ <i>Ursæ Majoris</i>
Tania Australis	$\mu$ <i>Ursæ Minoris</i>
Tania Borealis	$\lambda$ <i>Ursæ Minoris</i>
Tarazed (tar'a-zed) [Tarazad]	$\gamma$ <i>Aquilæ</i>
TAURUS (tâ'rus)	
Taygeta (tä-ij'e-ta)	Fl. 19 <i>Pleiadum</i>
Tegmine [Tegmen]	$\zeta$ <i>Cancri</i>
Tejat Posterior (te-jät') [Pishpai]	$\mu$ <i>Geminorum</i>
Tejat Prior [Propus]	$\eta$ <i>Geminorum</i>
TELESCOPIUM	
Thabit (thä'bit)	$\nu$ <i>Orionis</i>
Theemim (thē-mim') [Theemin]	$\nu$ <i>Eridani</i>
Thuban (thö-bän') [Al Tinnin]	$\alpha$ <i>Draconis</i>
TRIANGULUM	
TRIANGULUM AUSTRALE	
TUCANA (tū-kā'nä)	
{ Turais (tur'ais)	} $\iota$ <i>Carinae</i>
{ Turyeish (tur'yeish) [Aspidiske; Scutulum]	
Unukalhai (u''nuk-al-hä'i) [Unukalhay]	$\alpha$ <i>Serpentis</i>
Urkab (ur'kab) [Arkab]	$\beta$ <i>Sagittariï</i>
URSA MAJOR	
URSA MINOR	

Stars and Constellations (With Pronunciation)	Catalogue Designations
Vega (vē'ga) [Wega]	$\alpha$ <i>Lyrae</i>
VELA (vē'la)	
Vildiur [Yildun]	$\delta$ <i>Ursae Minoris</i>
Vindematrix (vin-dē-mi-ā'triks) [Almuredin]	$\epsilon$ <i>Virginis</i>
VIRGO (vēr'gō)	
VOLANS (vō'lans)	
VULPECULA (vul-pek'ū-la)	
Waridah (wār'i-da) [Elnasl]	$\gamma$ <i>Sagittarii</i>
Wasat (wā'sat) [Wesat]	$\delta$ <i>Geminorum</i>
Wega (wē'ga) [Vega]	$\alpha$ <i>Lyrae</i>
Wezen (wez'en)	$\delta$ <i>Canis Majoris</i>
Wezn [Wazn]	$\beta$ <i>Columbae</i>
Yed Posterior	$\epsilon$ <i>Ophiuchi</i>
Yed Prior	$\delta$ <i>Ophiuchi</i>
Yildun (yil-dōn') [Vildiur]	$\delta$ <i>Ursae Minoris</i>
Zaniah (zā'ni-a)	$\eta$ <i>Virginis</i>
Zaurak (zā'rak) [Zaurac; Zaurack]	$\gamma$ <i>Eridani</i>
Zavijava (zav-i-jä'va)	$\beta$ <i>Virginis</i>
Zosma (zōs'ma) [Duhr; Zubra; Zozma]	$\delta$ <i>Leonis</i>
Zubenakravi (zö-ben-ak'ra-vi) [Zubenhakrabi]	$\gamma$ <i>Scorpii</i>
Zubenalgenubi (zö-ben-al-jen-ū'bi) [Zuben el Genubi; Kiffa Australis]	$\alpha$ <i>Librae</i>
Zubenalshemali (zö-ben-al-shē-mä'li) [Zuben el Chemali; Kiffa Borealis]	$\beta$ <i>Librae</i>
Zubra (zö'bra) [Zosma; Duhr; etc.]	$\delta$ <i>Leonis</i>