

Naat'1anii N4ezgi Din4 { eejin Choyoo[‘9go N7ch’i Bitahg00 ! y0sin7g77



Figure 1. Naat'1anii N4ezgi Din4 { eejin Choyoo[‘9go N7ch’i Bitahg00 ! y0sin7g77
[eh. Diane J. Schmidt.

Din4 [3 biyol d00 bij47yilz0lii asthma woly4h7g77, ch’44h jididziihgo hayol dahn1hidiid11h7g770oly4, 47bee bidahodii’t’i azg3 doo ay0o n7da’al’t’oh da nidi. Haghgang0ne’ d00 n71hg00 t[‘00’g00 n7ch’i yl’1t’44h7g77bii’ nijjigh1ago 47hayol d00 haj47yilz0lii doo b22h t4eh da. Din4 [3 eejin ay0o chodayool’9doo ay0o 79g00 d00 dina’7g7b22. USGS d00 Naat’1anii N4ezgi Din4 Biw0dahgo) lta’ d00 Ts4gh1h0odz1n7di Din4 Bits’7s Baa ! h1y3 bik’i ad4est’9866’ ah[i adeezhnishgo Naat’1anii N4ezgi haz’1n7gi [eejin hooghang0ne’ choo’7n7g77n7diik11’. { eejin bee daak-‘7g7d0’ bits’33d00 din4 biyol d00 bij47yilz0lii bidihodii’t’i 7sh11 ha’n7n7g77b44hodooz88. Na’alkaahgo 47: 1) b44sh bii’k-‘7a[‘22 1daat’4ego choc’7n7g77dad7h0ol’88, 2) azeec’ 11’88 di din4 n1hididziih7g77bee an1h00t’i go b7k1 an7da’alwo’go naaltsoos dabik11’7g77dad7h0ol’88, 3) [eejin Din4 nidayii[niih7g77d00 nin1dayiigeeh7g77nidooklah, 4) hooghan bii’ [eejin chod10’7n7gone’ n7ch’i nidadoolkah. ! niid haash9n7tsogo na’7d44kidgo binahj8 b44dahoozin7g7747 kwe’4 baa hane’ doolee].

T[‘00’g00 doo naazhch’i da haleehgo.—Naat’1anii N44z haz’1n7gi d00 binaag00 nahaz’1n7g00 n7ch’i Din4 yii’ neildeeh7g77doo ts’7d1 n7zh0n7da yileeh nahd66’ h0t’11hd66’ n7ch’i doo ay0o bii’ naazhch’i7g77 h0t’1ahgi niigh1ahgo [id d00 t’1adoole’4 doo y1’1sh0onii n71hg00 [eejin bee atsin7t[‘ish 1daal’7n7g77bits’33d66’ n7ch’i bitah yileehgo t’00 nihi[dashoogishgo 1yiil’88 (fig. 1). Naat’1anii N44z haz’1n7gi d00 binaag00 haigo 7yis7Din4 biyol d00 bij47yilz0lii bidahodii’t’i n1h1leeh. Sh9g0 47doo 1t’4e da [eh. Haigo n7ch’i [ahgo 1t’4ego doo ay0o naazhch’i da 1ko [eejin d00 chizh d00 t’11 ha’1t’7sh9bee daak-‘go bilid’7g7doo tashoog4tesh da.

Ats’7s baa 1h1y33j7aj47yilz0lii bich’8 an1h00t’i naaltsoos dabik11’7g77.—Naat’1anii N4ezgi azeec’ 11’88 gi din4 ts’7d1 l2’7ay0o n7daakah 11 biyol d00 bij47yilz0lii bich’8 an7dahazt’i7g77biniinaa. Naat’1anii N44z binaadi Din4 k44dahat’7n7g77doo [3 biyol d00 bij47yilz0lii bich’8 an7dahazt’i 11. J0 47n74idi bits1hwiin732di 47w0dahgo dahwiin732go ay0o nidaazhch’ih. ! 1d00 n1n1l [ahgo 47Naat’1anii N44zgi 1[ch7n7ashdla’ bin11hai d00 yaago7g7d00 t’11 h0y1anii ashldadiin d00 bi’aan hast33 d00 bil11hg00 b44d11hai7g7747[3 biyol d00 bij47yilz0lii bidahodii’t’7g77biniinaa. T’11 47k0t’4ego naw0ln7h11l1 1[ch7n7d00 Din4 n11s daazl997g7747haigo hooghang0ne’ 7yis7nidah1azt’32 [eh. ! [ch7n7t’ahdoo ashldla’ bin1h1h7g77 d00 t’11 h0y1anii ashldadiin d00 bi’aan hast33 d00 n1asj8bin1hai7g77bits’7s d00 ay0o ha’1t’7a da y7n7dzil da.



Figure 2. D77b44sh bii’k-‘7doo [eejin bii’ didlid b1 Ilyaa da. Veronica Francisco-Lapahie.

B44sh bii’ k-‘7a[‘22 1daat’4h7g77d00 choo’7n7g77.—{ eejin chojoo[‘9go 47b44sh bii’k-‘7hazh0’0 b1 1daalyaa7g77beezhdi[idgo nizh0n7. 2004y65d33’ Din4 nab7d4elkidgo 137 go b44sh bii’ k-‘7chodao’7n7g77dan44l’99. 34 go b44sh bii’ k-‘7doo ay0o sidoo7g77Din4 choo[‘911. ! 1d00 [ahg0 b44sh bii’ k-‘7doo dajook1a da, bigh1 dahasd3 d00 d00 [id7g77doo hazh0’0 ch’7daaztsxaaz da 11. D77binahj8 k0t’4ego ch’7honit’ahh doolee]. B44sh bii’k-‘7chojoo[‘9go hasht’e j0sing0 bii’ nin1hojishohgo, d00 [id7g77hazh0’0 t[‘00’g00 b1 ch’7n71ago 1j0sing0, d00 b44sh bii’k-‘7hazh0’0 1daalyaa7g77 chojoo[‘9go d00 [eejin d00 bileeshch’iih t’11 beehaz’1n7gi 1t’4ego nidaji-jahago 47y1’1t’44h (fig. 2).

Na’ask11’7g77binahj8 47k0t’4ego hazh0’0 hab44sh bii’ k-‘7baa 1hoji-ly65go hayol d00 haj47yilz0lii doo bihodoot’ih da.

- B44sh bii’ k-‘7[eejin beezhdi[id7g77bii’ h11hojishoh d00 hasht’ej0sin doolee]
- B44sh bii’ k-‘7bizoo[jook1ago bee [id nizh0n7go ch’7daaztsxaazgo 1j0sing0
- B44sh bii’ k-‘7[eejin d00 chizh bee didlidgo b1 1daalyaa7g77chojoo[‘9
- { eejin d00 [eesch’iih baa 1hojily65go nijijaah doolee[{ eejin naask11’.—Din4 nidab7d44kid7g7747Navajo Mined66’ [eejin 7yis7 choyoo[‘911. Din4 dabighandi [eejin naazhjaa’7g77d00 n747ha’ag4edi [eejin7g77 dan44l’99. { eejin bii’ dah0l0n7g77nidask11’. D77[eejin7g7747doo hait’1o da [ahgo 1t’4e da 11. T’11 ha’1t’7a da bideezla’ d00 ba’1t’e’ dah0l0n7g77, b44sh naago’7g77, Mercury woly4h7g77, 47doon baahast’7gii 1dan4elt’e’ dabitah da 11.

{ eejin bileeshch’iil d00 bizhool.—{ eejin dook’32[g bits’33d00 t’1adoole’4 b1dahadzid7g77bileeshch’iil bits’1n7saazgo 1t’4, &yis7bbaa hasti’7g7747PM, dei[n7n7g77. S747[eesch’iil 1daa[ts’7s7g0 doo daat’88, da 10ly4. &shj33sh9tsiigh1 haan7ts11z [eh. S71t1diingo 1[ts1j7ts’i go t’11 [1’go b22h haj7732go 47bee n7tsogo 0oly4. J0 [eesch’iih 1k0dan7ts0 bi’ adziidziihgo y4ego baahasti’. S7bi1 adziidziihgo n747haj47yilz0lii biyi’g0yah doolee!. ! adi hadi’ bitah shidoogish. S711d00 hats’7tahg00 hats’1n747 biyi’g00 da, d00 haj47d7shjool biyi’g00 da yileeh. Aj47d7shjool ay0o at7’9 USGS-d66’ nida’afkaah7g77[eejin d00 bileeshch’iil 1dan7ts07g77 hooghang0ne’ dah0l0n7g77nidei[kaah d00 ha’1t’7sh 1daat’4h7g77nidei[kaah. B44dahoozin7g77.—{ eejin choo’7n7g77naalkaahgo bina’anish7g77binahj8 niha’1[ch7n7w0dahgo bidziilgo 0lt’7j7bi[na’anishgo Ohoo’ah d7kw7gosh9 haz’3 47y7dahwiido[11’. Y1gh1h0k32di nahasdz11n t’1adoole’4 yin11kahgo 1daalyaa 47nahasdz11n bik11’1daahoot’4h7g77bee haalz7d 47bee na’anish y7dahwiido[11’, d00 b7a’ashldla’ii dahnaazhjaa’g00 ats’7s yihodii[t’4ehii bina’anish a[d0’ y7dahwiido[11’, d00 ts4 47doodago hadaat’e’ a[‘22 11t’ee[ah[i nidaalnish naalkaah7g77haash9n7tsogo y7dahwiido[11’. S7a[ts0 na’alkaah bina’azhishgo, 44dahoozin7g77nihinaa’1anii d00 Din4 bee bi[7shj11n 1dooln7. S7bik’ehgo [eejin choo’9Dim4 b1 y1’1t’44h doolee[7g77binahodoot’aa].

Ha’1t’7 da b7ha’7d7kidgo 47koj8 hozd7lnih:

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