

Д°Д¼Д¼Ñ, Д—ДмД¼Д»Д, Д, Д°ДмД±Д°

**ДЗÑ, Д¼Д, Ñ€Д°Д¼Д, Д´ Д´Д¾ Д»ДмÑ°Д°: Ñ°Д°Д¼Ñ(Дм**

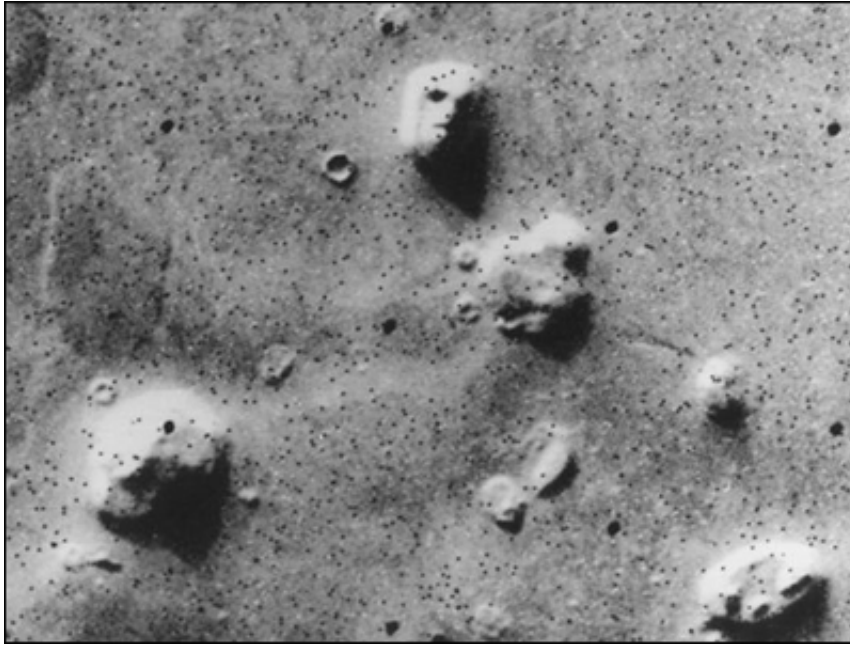
**Д°Д°Д¾Д° Д¾Д¼Ñ†Д½Ñ(Дм Ñ,,Д¾Д¼Ñ,Д¾ ДœД°Ñ€Ñ°Д°**

**Д°Д°Д°Д°Д°Д° : ДšД¾Д¼Ñ°Д¼Д¾Д¼Ñ°**

**ДЗД¼ÑфД±Д»Д, Д°Д¾Д°Д°Д°Д°Д°Д° Д¼Ñф [26.03.2013]**

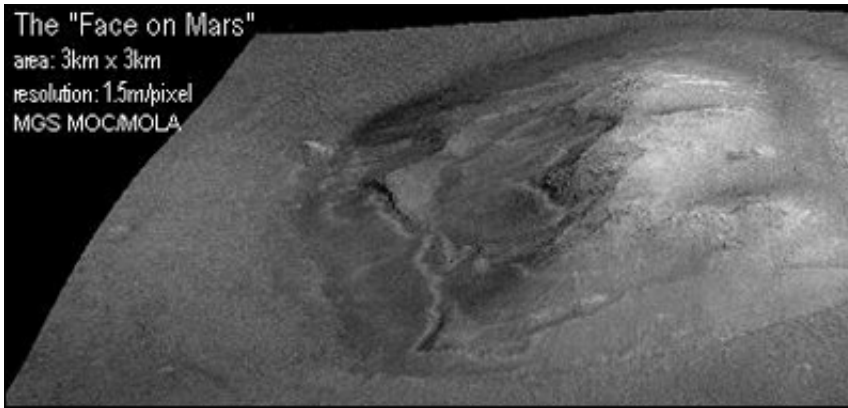
ДЗÑ€Д±Д, Ñ, Д°Д»ÑœД½Ñ(Дм Д°Д¼Д¼Д°Ñ€Д°Ñ,Ñ( Д, Д¼Д°Ñ€Ñ°Д¾Ñ...Д¾Д¼Ñ(,  
Д, Ñ°Ñ°Д»ДмД°ÑфÑžÑ°°Д, Дм ДšÑ€Д°Ñ°Д½ÑфÑž Д¼Д»Д°Д°Д°Д°Д°Ñ,Ñф,  
Д¼Д¾Д¼Ñ°Ñ,Д¾Д¼Ñ°Д½Д°Д¾ Д¼Д¾Д¼Д¾Д»Д½Ñ°ÑžÑ, Д°Д¾Д»Д»ДмД°Ñ†Д, Д,  
Д, Ñ°Ñ°Д»ДмД°Д¾Д°Ñ,ДмД»ДмД° Д, Д»ÑžД±Д, Ñ,ДмД»ДмД°  
Д¼Д°Д½Д¾Д¾Д¾Д¾Ñ†Д, Ñ°Д»ДмД°Д½Д°Ñ(Д¼Д, Ñ°Д½Д, Д¼Д°Д°Д¼Д, &ndash; Д¼Д¾Д¼Ñ€Д¾Д°  
Ñ°Ñ,Ñ€Д°Д½Д°Ñ(Д¼Д, Д¼Ñ€Д°Д°Ñ,Д, Ñ†ДмÑ°Д°Д, Ñ,,Д°Д½Ñ,Д°Ñ°Ñ,Д, Ñ†ДмÑ°Д°Д, Д¼Д, Д,  
Ñ°Д¾Д°Д°Д°Ñ(ДмД°Д½Д°Д¾ Д½ДмД¾Д¾Д¾Д, Д°Д°Д½Д°Ñ(Д¼Д, Д°Д»Ñ°ÑфÑ†ДмД°Д½Ñ(Ñ....  
Д°Д°Ñ°Ñ°Д¼Д¾Д¼Ñ,Ñ€Д, Д¼ Д½Д°Д, Д±Д¾Д»ДмДм Д, Д½Ñ,ДмÑ€ДмÑ°Д½Ñ(Дм  
Д¼Д¾Д¾Д¼ДмД°Д½Ñ,Ñ(.

ДœД°Ñ€Ñ° Д¼Ñ€Д°Д»ДмД°Д°ДмÑ, Д²Д½Д, Д¼Д°Д°Д½Д, Дм Д»ÑžД°ДмД° Ñ°Д²Д¾ДмД°  
Д¼Д¾Д¼Ñ...Д¾Д¾ДмÑ°Ñ,ÑœÑž Д½Д° Д—ДмД¼Д»Ñž: Ñ°Ñ...Д¾Д¾Д°Ñ° Д¼Д°Ñ°Ñ°Д°,  
Д¼Ñ€Д, Д±Д»Д, Д-Д, Ñ,ДмД»ÑœД½Д¾ Ñ€Д°Д²Д½Д¾Дм Д°Д¾Д»Д, Ñ†ДмÑ°Ñ,Д²Д¾  
Ñ°Д¾Д»Д½ДмÑ†Д°Д¾Д¾Д¾ Ñ°Д²ДмÑ,Д°, Д¼Ñ€Д, Д-Д½Д°Д°Д, Д½Д°Д»Д, Ñ†Д, Ñ°Д²Д¾Д¼Ñ(,  
Д°, Д¼Д¾Д¾Д¾ДмÑ, Д, Д¾Д, Д-Д½Д, Д½Ñ€Д, Ñ†ДмД¼ ДœД°Ñ€Ñ°Ñ°Ñ, Д°Ñ°Ñ(Дм Д—ДмД¼Д»Д»,  
Д¼Ñ€Д, Д¼ДмÑ€Д½Д¾ Д½Д° 100 Д¼Д»Д½ Д»ДмÑ,, Д° Д-Д½Д°Ñ†Д, Ñ,, Д°  
Д½Д°Ñ°Ñ,Д¾Д¼Ñ°Ñ°°ДмД¼Ñф Д¼Д¾Д¾Д¼ДмД°Д½Ñ,Ñф Ñ€Д°Д-ÑфД¼Д½Ñ(Дм Д¼Д°Ñ€Ñ°Д, Д°Д°Д½Дм  
Д¼Д¾Д¾Д¾»Д, Д±Ñ( Д°Д¾Д¼Ñ°Ñ,Д, Ñ†Ñœ Д¾Д¾Д¼Ñ€Д°Д-Д¾ Д±Д¾Д»ÑœÑ°ДмД¾Д¾  
Д¼Ñ€Д¾Д¾Ñ€ДмÑ°Ñ°Д°, Ñ†ДмД¼ Д-ДмД¼Д»Ñ°Д½Дм. Д°Д°Д°Д¾ Д¾Д¼Ñ,Д¼ДмÑ,Д, Ñ,Ñœ,  
Ñ†Ñ,Д¾ Д¼Ñ( ÑфД¾Дм Д¼Д°Д¾Д¾Д¾Дм Д-Д½Д°ДмД¼ Д¾ ДœД°Ñ€Ñ°Дм: ÑфÑ†ДмД°Д½Ñ(Дм  
Д¼Ñ€Д°Д°Ñ,Д, Ñ†ДмÑ°Д°Д, ÑфД²ДмÑ€ДмД°Д½Ñ( Д² Ñ,Д¾Д¼, Ñ†Ñ,Д¾ Д¼Д, Д»Д»Д, Д¾Д°Д½Ñ(,  
Д»ДмÑ, Д½Д°Д°Д°Д°Ñ°Ñ,Д¾ Д±Ñ(Д»Д° Д±Д¾Д¾Д¾Д°Ñ,Д°Ñ° Д²Д¾Д°Д¾Д¹ Д¼Д»Д°Д°Д°ДмÑ,Д° Ñ°  
Д°Д¾Д¼Ñ,,Д¾Д¼Ñ€Ñ,Д½Ñ(Д¼ Д°Д»Д, Д¼Д°Ñ,Д¾Д¼. Д°Д¾ Ñ...Д²Д°Ñ,Д°ДмÑ, Д,  
Д-Д°Д¾Д°Д°Д¾Д° ДЗÑ€Д±Д, Ñ, Д°Д»ÑœД½Ñ(Дм Д°Д¼Д¼Д°Ñ€Д°Ñ,Ñ( Д,  
Д¼Д°Ñ€Ñ°Д¾Ñ...Д¾Д¼Ñ( Ñ°Д»ÑžÑ, Д¼Д°Д°Д¾Д¾Д¾ДмÑ°Ñ,Д²Д¾ Ñ°Д½Д, Д¼Д°Д°Д¾Д²  
ДšÑ€Д°Ñ°Д°Д¾Д¹ Д¼Д»Д°Д°Д°ДмÑ,Ñ(, Д, Д½ДмД°Д¾Д¼Ñ,Д¾Д¼Ñ€Д°Ñ€Ñ°Д°Ñ(Дм Д°Д°Д°Ñ€Ñ°  
Д²Ñ(Д-Ñ(Д²Д°ÑžÑ, Д½Д°Ñ°Ñ,Д¾Д¼Ñ°Ñ°ÑфÑž Д±ÑфÑ€Ñ°Ñž Ñ°Ñ,Ñ€Д°Ñ°Ñ,ДмД°. Д°Д¾Д»Д, Д½Д°  
Д¼Д, Ñ€Д°Д¼Д, Д°Д´ 1971 Д¾Д¾Д°Ñф Д-Д¾Д°Д°Д´ Д°Д°Д° Viking 1 Ñ°Д°ДмД»Д°Д» Д¾Д°Д, Д½  
Д, Д°Ñ°Д°Д¼Ñ°Ñ... Д, Д-Д²ДмÑ°Ñ,Д½Ñ(Ñ... Ñ°Д½Д, Д¼Д°Д°Д¾Д² ДœД°Ñ€Ñ°Д°. Д°Д°  
Ñ,,Д¾Д¼Ñ,Д¾Д¾Ñ€Д°Ñ,Д, Ñ, Ñ€Д°Д°Д¾Д°Д° Д¼Д¾Д´ Д½Д°Д-Д²Д°Д°Д½Д, ДмД¼ Cydonia  
Д¾Д±Д½Д°Ñ€ÑфД¾Д»Д¾Д¼Ñ°Ñœ Д¾Д¾Д°Д°Ñ,Ñ°Д°Д¾Дм Д°Д°Д¼ДмД°Д½Д°Д¾Дм  
Ñ°Д¾Д¾Д¼Ñ€ÑфД¾Д°Д½Д, Дм Ñ° Д»Д, Ñ†Д¾Д¼, Д½Д°Д¼Д¾Д¼Д, Д½Д°ÑžÑ°°Д, Д¼  
ДмД°Д, Д¼ДмÑ, Ñ°Д°Д¾Д¾Д¾ Ñ°Ñ,,Д, Д½Д°Ñ°Д°. Дš Ñ°Ñ,Д¾Д¼Ñф  
Ñ°ДмД°Д½Ñ°Д°Ñ†Д, Д¾Д°Д½Д°Д¾Д¼Ñф 1,5-Д°Д¼ Д, Д-Д²Д°Ñ°Д½Д, Ñž Ñ, Д°Д°Д¾Дм  
Д¼Ñ€Д, Д»Д°Д¾Д»Д°Ñ°Ñœ "Ñ€Д¾Д¼Ñ°Ñ°Ñ(Д¼Ñœ" Ñ°Д°Д°Д», Д¼Д¾Д¼Ñ...Д¾Д¾Д¾, Ñ... Д½Д°  
ДмД°Д, Д¼ДмÑ, Ñ°Д°Д, Дм Д¾Дм Д¼Д, Ñ€Д°Д¼Д, Д¼Ñ(.



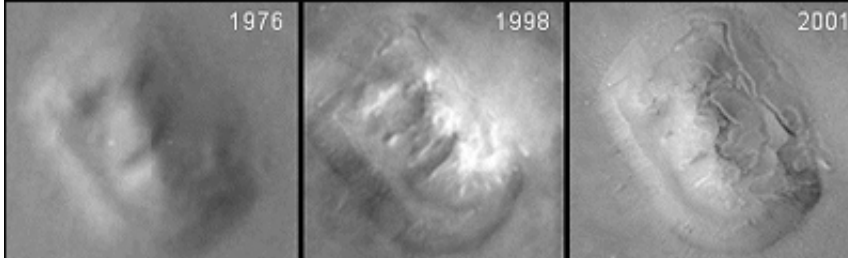
ia 3/4D±D1/2D°Ñ€ÑfD¶D, D»D¾Ñ•ÑCE D³D, D³D°D1/2Ñ,Ñ•D°D¾Dµ D°D°D¼DµD1/2D1/2¾Dµ Ñ•D¾D¾Ñ€ÑfD¶DµD1/2D, Dµ Ñ• D»D,Ñ

DÝÑfD±D»D, D°D°Ñ†D,Ñ• Ñ•D1/2D, D¼D°D¾D² D¿D¾Ñ€D¾D´D, D»D° Ñ†DµD»ÑfÑŽ  
D»D°D²D, D1/2Ñf Ñ•Ñ, D°Ñ, DµD¹, D°D1/2D, D³, Ñ, D, D»ÑCED¼D¾D² D, D²D, D´DµD¾D, D³Ñ€ D1/2D°  
Ñ, DµD¼Ñf Ñ,Ñ€ÑfD´D¾D»ÑŽD±D, D²Ñ‹Ñ... D¼D°Ñ€Ñ•D, D°D1/2, D°D¾Ñ, D¾Ñ€Ñ‹Dµ D1/2Dµ  
D¿D¾D»DµD1/2D, D»D,Ñ•ÑCE Ñ•D¾D¾Ñ€ÑfD´D,Ñ,ÑCE D³D, D³D°D1/2Ñ,Ñ•D°D¾Dµ  
Ñ†DµD»D¾D²DµÑ†DµÑ•D°D¾Dµ D»D,Ñ†D¾, Ñ†Ñ, D¾D±Ñ‹ D²D¿DµÑ†D°Ñ, D»D,ÑCE  
D³Ñ€Ñ•D´ÑfÑ°D, Dµ D¿D¾D°D¾D»DµD1/2D,Ñ• D•DµD¼D»Ñ•D1/2. D¿DµD¾Ñ€D, D¹ D±Ñ‹D»D¾  
D¼D1/2D¾D¶DµÑ•Ñ, D²D¾: D¾Ñ, "D•D²DµD•D´D1/2Ñ‹Ñ... D²Ñ€D°Ñ," D¼DµD¶D´Ñf  
D¼D°Ñ€Ñ•D, D°D1/2Ñ•D°D, D¼D, D, DµD³D, D¿DµÑ,Ñ•D°D¾D, D¿D,Ñ€D°D¼D, D´D°D¼D, D´D¾  
D±D, D±D»D, D¾Ñ, DµD°D, D1/2DµD²DµÑ€D¾Ñ•Ñ, D1/2Ñ‹Ñ... D•D1/2D°D1/2D, D¹,  
D¾Ñ•Ñ, D°D²D»DµD1/2D1/2Ñ‹Ñ... D1/2D°D¼  
D¿Ñ€D°D¾Ñ,Ñ†D°D¼D, -D, D1/2D¾D¿D¿D»D°D1/2DµÑ,Ñ•D1/2D°D¼D, .D~D.-D•D° D²Ñ•DµD¹ Ñ•Ñ, D¾D¹  
Ñ•ÑfD¼D,Ñ...D, Ñ, D¾Ñ, D¾D¾Ñ€D¾Ñ€D°Ñ, D,Ñ€D¾D²D°D1/2D, Dµ "D¼D°Ñ€Ñ•D, D°D1/2Ñ•D°D¾D¹  
D´D¾D»D, D1/2Ñ‹ D¿D,Ñ€D°D¼D, D´" (D° Cydonia ÑfD¶Dµ D, D1/2D°Ñ†Dµ D1/2D, D°Ñ, D¾ D, D1/2Dµ  
D1/2D°D•Ñ•D²D°D») Ñ•Ñ, D°D»D¾ D¾D´D1/2D¾D¹ D, D• D¾Ñ•D1/2D¾D²D1/2Ñ‹Ñ... D•D°D´D°Ñ†  
D´D»Ñ• D1/2D¾D²D¾D³D¾ D•D¾D1/2D´D° D•D•DµD Mars Global Surveyor (MGS). D¿D1/2  
D¿Ñ€D, D±Ñ‹D» D° DœD°Ñ€Ñ•Ñf D² Ñ•DµD1/2Ñ,Ñ•D±Ñ€Dµ 1997 D¾D¾D´D° &ndash;  
Ñ•D¿ÑfÑ•Ñ,Ñ• 18 D»DµÑ, D¶D°Ñ€D°D,Ñ... D´DµD±D°Ñ, D¾D², D° Ñ•D´DµD»D°Ñ,ÑCE  
D¿DµÑ€D²Ñ‹D¹ D•D°D²DµÑ, D1/2Ñ‹D¹ Ñ•D1/2D, D¼D¾D° ÑfD´D°D»D¾Ñ•ÑCE Ñ, D¾D»ÑCED°D¾ 5  
D°D¿Ñ€DµD»Ñ• 1998 D¾D¾D´D° D¿D°D¼DµÑ€D° MGS D±Ñ‹D»D° D² 10 Ñ€D°D•  
Ñ†ÑfD²Ñ•Ñ, D²D,Ñ, DµD»ÑCED1/2DµDµ D°D°D¼DµÑ€Ñ‹ "D´D, D°D, D1/2D³D°", D, Ñ,Ñ‹Ñ•Ñ•Ñ†D,  
D, D1/2Ñ, DµÑ€D1/2DµÑ, -D¿D¾D»ÑCED•D¾D²D°Ñ, DµD»DµD¹ Ñ• D1/2DµÑ, DµÑ€D¿DµD1/2D, DµD¼  
D¶D´D°D»D, D, D°D¾D³D´D° D•D•DµD• D²Ñ‹D»D¾D¶D,Ñ, D•D°D²DµÑ, D1/2Ñ‹D¹ Ñ•D1/2D, D¼D¾D° D²  
D¾Ñ, D°Ñ€Ñ•Ñ, D¾D¼ D´D¾Ñ•Ñ,ÑfD¿Dµ.



0°D, Ñ• D´Ñ€ÑfD³D³D³D³ Ñ€D°D°ÑfÑ€Ñ•D° D¿D³D°D°D•D°D»D, Ñ‡Ñ,D³¼ "D»D,Ñ†D³¼ Ñ•Ñ„D, D½D°Ñ•D°" - D½D° Ñ•D°D¼D³¼

D' D,Ñ,D³¼D³Dµ D¿D³¼D»ÑfÑ‡DµD½D½Ñ•D¼ Ñ•D½D, D¼D°D³¼D¼ D½D, D°Ñ,D³¼  
 ÑfD´D³¼D²D»DµÑ,D²D³¼Ñ€DµD½ D½Dµ D±Ñ•D»: D½D, D°D°D°D³¼D³D³¼ D»D,Ñ†D° D½D°  
 D½DµD¼ D½Dµ D±Ñ•D»D³¼ D²D, D´D½D³¼, D»D,Ñ´ÑCE D³¼D±Ñ•Ñ‡D½D°Ñ• Ñ•D°D°D»D°.  
 DžD´D½D°D°D³¼ "D°D³¼D½Ñ,D°D°Ñ,DµÑ€Ñ•" D¿Ñ€D³¼D´D³¼D»D¶D°D»D, D²DµÑ€D,Ñ,ÑCE,  
 Ñ,DµD¼ D±D³¼D»DµDµ Ñ‡Ñ,D³¼ MGS Ñ„D³¼Ñ„D³¼D³Ñ€D°Ñ„D,Ñ€D³¼D²D°D» D´D³¼D»D, D½Ñf  
 Ñ•D°D²D³¼D•ÑCE Ñ„D³¼D½D°D, D¹ Ñ•D»D³¼D¹ D³¼D±D»D°D°D³¼D², D, D¼D½D³¼D³D, Dµ  
 D´DµÑ„D°D»D, D¿D³¼Ñ„DµÑ€Ñ•D»D,Ñ•ÑCE.D¿D»DµD´ÑfÑžÑ%°DµD³D³¼ Ñ•D½D, D¼D°D°  
 D¿Ñ€D,Ñ´D»D³¼Ñ•ÑCE D¶D´D°Ñ„ÑCE D´D³¼D»D³D³¼ &ndash; D³¼D½ D±Ñ•D» Ñ•D´DµD»D°D½ 8  
 D°D¿Ñ€DµD»Ñ• 2001 D² D±DµD•D³¼D±D»D°Ñ‡D½Ñ•D¹ D»DµÑ„D½D, D¹ D´DµD½ÑCE. D”D»Ñ•  
 D¼D°D°Ñ•D, D¼D°D»ÑCE D½D³¼ D°D°Ñ‡DµÑ•Ñ„D²DµD½D½D³¼D¹ Ñ„D³¼Ñ„D³¼D³Ñ€D°Ñ„D, D, D,  
 D´D°D¶Dµ D¿Ñ€D,Ñ´D»D³¼Ñ•ÑCE D, D•D¼DµD½D, Ñ„ÑCE D³¼Ñ€D, DµD½Ñ„D°Ñ†D, Ñž  
 D•D³¼D½D´D°.



D¿D°D° D²Ñ•D³D»Ñ•D´D,Ñ, Ñ„D³¼Ñ„D³¼D,Ñ•Ñ„D³¼Ñ€D°Ñ„D "D²DµD»D,Ñ†D°D¹Ñ•DµD¹ D•D°D³D°D´D°D, DœD°Ñ€Ñ•D°",





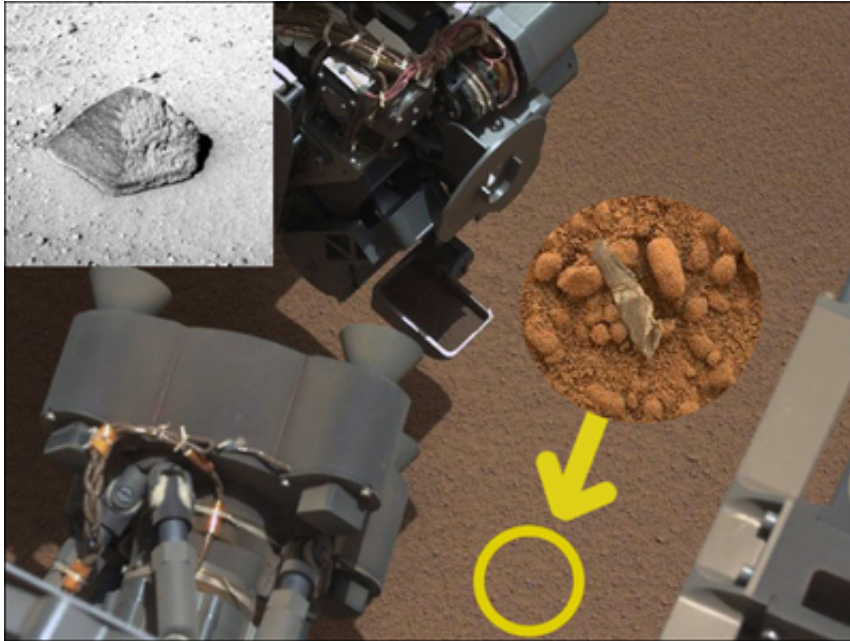






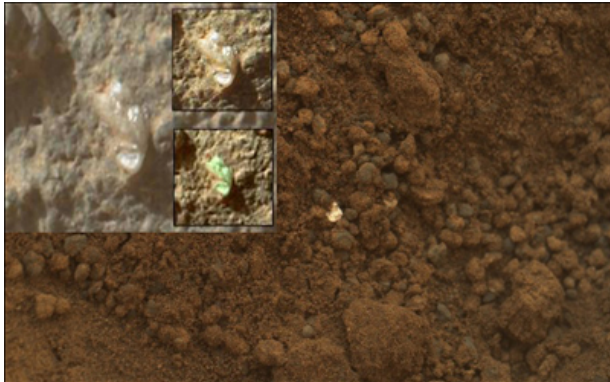
±ÑŠĐμĐ°Ñ, Đ'Đ»Đ,Đ½Đ¼Đ¹ Đ² Ñ•Đ¾Ñ,Đ½Đ, Đ¼ĐμÑ,Ñ€Đ¾Đ² Đ'ĐμĐ¹Ñ•Ñ,Đ²Đ,Ñ,ĐμĐ»Ñ€Đ½Đ¾ Đ½Đ°Đ¿Đ¾Đ¼Đ,Đ½Đ°ĐμÑ,

Đ' Đ±Đ»Đ,Đ°Đ°Ñ... Ñ•Đ¾Đ»Đ½ĐμÑ±Đ½Đ¾Đ³Đ¾ Ñ•Đ²ĐμÑ,Đ°  
Đ¿Ñ€Đ¾Đ'Đ¾Đ»Đ³Đ¾Đ²Đ°Ñ,Ñ'Đ¹ Đ¾Đ±ÑŠĐμĐ°Ñ, Đ'Đ»Đ,Đ½Đ¾Đ¹ Đ² Ñ•Đ¾Ñ,Đ½Đ, Đ¼ĐμÑ,Ñ€Đ¾Đ² Đ'ĐμĐ¹Ñ•Ñ,Đ²Đ,Ñ,ĐμĐ»Ñ€Đ½Đ¾ Đ½Đ°Đ¿Đ¾Đ¼Đ,Đ½Đ°ĐμÑ,  
Đ,Ñ•Đ°ÑƒÑ•Ñ•Ñ,Đ²ĐμĐ½Đ½Đ¾Đμ Đ¾Ñ,Đ¿Đ¾Đ»Đ,Ñ€Đ¾Đ²Đ°Đ½Đ½Đ¾Đμ  
Ñ•Đ¾Đ¾Ñ€ÑƒĐ¶ĐμĐ½Đ,Đμ. ĐŽĐ'Đ½Đ°Đ°Đ¾ Đ½Đ° Ñ±ĐμÑ€Đ½Đ¾-Đ±ĐμĐ»Đ¾Đ¼  
Ñ•Đ½Đ,Đ¼Đ°Đμ Ñ• Đ±Đ¾Đ»ĐμĐμ Đ²Ñ•Ñ•Đ¾Đ°Đ¾,Đ¼ Ñ€Đ°Đ.Ñ€ĐμÑ'ĐμĐ½Đ,ĐμĐ¼  
Đ²Đ,Đ'Đ½Đ¾, Ñ±Ñ,Đ¾ "Đ°Đ½Đ³Đ°Ñ€" Đ±Đ¾Đ»Ñ€Ñ'Đμ Đ¿Đ¾Ñ...Đ¾Đ¶ Đ½Đ°  
Đ½ĐμĐ¾Đ±Ñ'Ñ±Đ½ÑƒÑŽ Đ¿ĐμÑ•Ñ±Đ°Đ½ÑƒÑŽ Đ'ÑŽĐ½Ñƒ Đ,Đ»Đ, Ñ•Đ°Đ»Ñƒ,  
Đ•Đ°Ñ•Ñ'Đ¿Đ°Đ½Đ½ÑƒÑŽ Đ¿ĐμÑ•Đ°Đ¾Đ¼. ĐĐĐμĐ¼ Đ½Đμ Đ¼ĐμĐ½ĐμĐμ,  
Đ¶ĐμĐ»Đ°ÑŽÑ%Đ,Đμ Đ¼Đ¾Đ³Đ³Ñƒ, ÑƒĐ²Đ,Đ'ĐμÑ,Ñ€Đ² Đ² Đ½ĐμĐ¼ Đ,  
Đ³ĐμĐ¾Đ¼ĐμÑ,Ñ€Đ,Ñ±ĐμÑ•Đ°Đ, Đ¿Ñ€Đ°Đ²Đ,Đ»Ñ€Đ½Ñ'Đ¹ Đ°Đ¾Ñ€Đ¿ÑƒÑ•  
Đ°Đ¾Ñ•Đ¼Đ,Ñ±ĐμÑ•Đ°Đ¾Đ¾Đ¾ Đ°Đ¾Ñ€Đ°Đ±Đ»Ñ•, Đ, Đ±Đ¾Đ»Ñ€Ñ'Đ¾Đ¹ Ñ•Đ»Đ»Đ,Đ½Đ³ Ñ•  
Ñ±ĐμÑ€Đ½Đ¾Đ¹ Ñ,ĐμĐ½Ñ€ÑŽ Đ¾Ñ, Đ²Ñ...Đ¾Đ'Đ°. Curiosity ĐœĐ°Ñ€Ñ•Đ¾Ñ...Đ¾Đ'  
Đ•Đ°Đ¿Đ• Curiosity Đ¿Ñ€Đ¾Ñ€Đ°Đ±Đ¾Ñ,Đ°Đ» Đ½Đ° ĐœĐ°Ñ€Ñ•Đμ ÑƒĐ¶Đμ Đ¿Đ¾Ñ±Ñ,Đ,  
Đ¿Đ¾Đ»Đ¾Đ¾Đ'Đ° Đ, Ñ•Ñ,Đ¾Ñ,Đ¾Đ¾Ñ€Đ°Ñ,Đ,Ñ€Đ¾Đ²Đ°Đ» Đ½ĐμÑ•Đ°Đ¾Đ¾Ñ€Đ°Đ¾  
Đ•Đ°Đ¾Đ'Đ¾Ñ±Đ½Ñ'Ñ... Đ¾Đ±ÑŠĐμĐ°Ñ,Đ¾Đ², Đ¿Ñ€Đ¾Đ,Ñ•Ñ...Đ¾Đ¶Đ'Đ'ĐμĐ½Đ,Đμ  
Đ°Đ¾Ñ,Đ¾Ñ€Ñ'Ñ... Đ²Ñ'Đ•Đ²Đ°Đ»Đ¾ Đ½ĐμĐ¼Đ°Đ»Ñ'Đ¹ Đ,Đ½Ñ,ĐμÑ€ĐμÑ•  
Đ½ĐμÑ•Đ¿ĐμÑ±Đ,Đ°Đ»Đ,Ñ•Ñ,Đ¾Đ². Đ•Đ°Ñ€Ñ•Đ'Ñƒ Ñ• Ñ,Đ°Đ°Đ,Đ¼Đ, "Đ¼ĐμĐ»Đ¾Ñ±Đ°Đ¼Đ",  
Đ°Đ°Đ° Đ°Đ°Đ¼ĐμĐ½Ñ€ Đ¿Ñ€Đ°Đ°Ñ,Đ,Ñ±ĐμÑ•Đ°Đ, Đ,Đ'ĐμĐ°Đ»Ñ€Đ½Đ¾Đ¹  
Đ¿Đ,Ñ€Đ°Đ¼Đ,Đ'Đ°Đ»Ñ€Đ½Đ¾Đ¹ Ñ,Đ¾Ñ€Đ¼Ñ'Đ, Đ, Ñ€Đ¾Ñ•Ñ•Ñ'Đ¿Ñ€  
Đ½ĐμĐ¿Đ¾Đ½Ñ•Ñ,Đ½Đ¾Đ¾Đ¾ Đ°Đ°Đ¼ĐμĐ½Đ½Đ¾Đ¾Đ¾ "Đ¾Đ¾Ñ€Đ¾Ñ...Đ°",  
Đ²Ñ'Đ'ĐμĐ»Ñ•ÑŽÑ,Ñ•Ñ• Đ'Đ²Đ° Ñ•Đ½Đ,Đ¼Đ°Đ°, Đ½Đ° Đ°Đ¾Ñ,Đ¾Ñ€Ñ'Ñ... Đ²Đ,Đ'Đ½Ñ'  
Đ¾Đ±ÑŠĐμĐ°Ñ,Ñ', Đ¿Đ¾Ñ...Đ¾Đ¶Đ,Đμ Đ½Đ° Đ°ÑƒÑ•Đ°Đ, Đ¿Đ»Đ°Ñ•Ñ,Đ,Đ°Đ°.



Ń•Ń,,Đ³⁄₄Ń,Đ³⁄₄Đ³Ń€Đ°Ń,,Đ,Ń€Đ³⁄₄Đ²Đ°Đ» Đ¹⁄₂ĐμŃ•Đ°Đ³⁄₄Đ»Ń€Đ°Đ³⁄₄ Đ•Đ°Đ³Đ°Đ´Đ³⁄₄Ń†Đ¹⁄₂Ń•Ń... Đ³⁄₄Đ±ŃŠĐμĐ°Ń,Đ³⁄₄Đ², Đ¿Ń€Đ³⁄₄

Đ•Đ° 61-Đ¹ Đ´ĐμĐ¹⁄₂Ń€ Ń•Đ²Đ³⁄₄ĐμĐ¹ Đ¹⁄₄Đ,Ń•Ń•Đ,Đ, 7 Đ³⁄₄Đ°Ń,Ń•Đ±Ń€Ń• 2012 Đ³Đ³⁄₄Đ´Đ°, Curiosity Đ´ĐμĐ»Đ°Đ» Đ³⁄₄Đ±Ń•Ń†Đ¹⁄₂Ń•Đμ Ń•Đ¹⁄₂Đ,Đ¹⁄₄Đ°Đ, Đ¹⁄₄Đ°Ń€Ń•Đ,Đ°Đ¹⁄₂Ń•Đ°Đ³⁄₄Đ¹ Đ¿Đ³⁄₄Đ²ĐμŃ€Ń...Đ¹⁄₂Đ³⁄₄Ń•Ń,Đ, Đ, Đ¹⁄₂Đ°Ń,Đ°Đ¹⁄₂ŃƒĐ»Ń•Ń• Đ¹⁄₂Đ° Ń•Ń€Đ°Đ,Đ¹ Đ³⁄₄Đ±ŃŠĐμĐ°Ń,, Đ¿Đ³⁄₄Ń...Đ³⁄₄Đ¶Đ,Đ¹ Đ¹⁄₂Đ° Đ°ŃƒŃ•Đ³⁄₄Ń†ĐμĐ° Đ¿Đ³⁄₄Đ»Đ,Ń•Ń,Đ,Đ»ĐμĐ¹⁄₂Đ° Đ³⁄₄Đ°Đ³⁄₄Đ»Đ³⁄₄ 1 Ń•Đ¹⁄₄ Đ² Đ´Đ»Đ,Đ¹⁄₂Ńƒ. ĐœĐ°Ń€Ń•Đ³⁄₄Ń...Đ³⁄₄Đ´ Đ•Đ°Đ´ĐμŃ€Đ¶Đ°Đ»Đ, Đ¹⁄₂Đ° Đ´ĐμĐ¹⁄₂Ń€, Ń†Ń,Đ³⁄₄Đ±Ń• Đ³⁄₄Đ¹⁄₂ Đ¹⁄₄Đ³⁄₄Đ³ Đ´ĐμŃ,Đ°Đ»Ń€Đ¹⁄₂Đ³⁄₄ Ń•Ń,,Đ³⁄₄Ń,Đ³⁄₄Đ³Ń€Đ°Ń,,Đ,Ń€Đ³⁄₄Đ²Đ°Ń,Ń€ Đ¹⁄₂ĐμĐ¿Đ³⁄₄Đ¹⁄₂Ń•Ń,Đ¹⁄₂ŃƒŃŽ Đ²ĐμŃ°Đ,Ń†Ńƒ. ĐŸĐ³⁄₄Ń•Đ»Đμ Đ,Đ•ŃƒŃ†ĐμĐ¹⁄₂Đ,Ń• Ń•Đ¹⁄₂Đ,Đ¹⁄₄Đ°Đ³⁄₄Đ² ŃƒŃ†ĐμĐ¹⁄₂Ń•Đμ Đ¿Ń€Đ,Ń°Đ»Đ, Đ° Đ²Ń•Đ²Đ³⁄₄Đ´Ńƒ, Ń†Ń,Đ³⁄₄ Ń•Ń,Đ³⁄₄ Đ´ĐμĐ¹Ń•Ń,Đ²Đ,Ń,ĐμĐ»Ń€Đ¹⁄₂Đ³⁄₄ Đ°ŃƒŃ•Đ³⁄₄Ń†ĐμĐ° Đ¿Đ»Đ°Ń•Ń,Đ,Đ°Đ°, Đ¹⁄₂Đ³⁄₄ Ń•Ń,Đ³⁄₄ Đ¹⁄₂Đμ Đ°Ń€Ń,ĐμŃ,,Đ°Đ°Ń, Đ,Ń•Ń†ĐμĐ•Đ¹⁄₂ŃƒĐ²Ń´ĐμĐ¹ Ń†Đ,Đ²Đ,Đ»Đ,Đ•Đ°Ń†Đ,Đ, Đ° Ń†Đ°Ń•Ń,Ń€ Ń•Đ°Đ¹⁄₄Đ³⁄₄Đ³⁄₄ Đ¹⁄₄Đ°Ń€Ń•Đ³⁄₄Ń...Đ³⁄₄Đ´Đ°.



...D³⁴D¶D, D¹⁄²D° N•D¿D»NŽN%oDµD¹⁄²D¹⁄²NfNŽ D¶DµD¼N±NfD¶D, D¹⁄²Nf, D, D•D¹⁄²D°N±D°D»NCE D¹⁄²D³⁴ D±N•D» D¿N€D, N•N•

DŽD´D¹⁄²D°D°D³⁴ 19 D´DµD°D°D±N€N• D² N€D°D¹D³⁴D¹⁄²Dµ Rocknest D¼D°N€N•D³⁴N...D³⁴D´  
D¿N€D³⁴N•DµD, D²D°D» D¼D°N€N•D, D°D¹⁄²N•D°D, D¹ D¿DµN•D³⁴D° D, D²D¹⁄²D³⁴D²NCE  
D¹⁄²D°N, D°D¹⁄²NfD»N•N• D¹⁄²D° D¹⁄²DµD¿D³⁴D¹⁄²N•N, D¹⁄²N•D¹ D±D»DµN•N, N•N%oD, D¹  
D³⁴D±NŠDµD°N, DÝN€D, N•N, D³⁴D¼ D°N€D³⁴N...D³⁴N, D¹⁄²N•D¹ D¿N€DµD´D¼DµN,,  
D¿D³⁴N...D³⁴D¶D, D¹ D¹⁄²D° N•D¿D»NŽN%oDµD¹⁄²D¹⁄²NfNŽ D¶DµD¼N±NfD¶D, D¹⁄²Nf,  
D, D•D¹⁄²D°N±D°D»NCE D¹⁄²D³⁴ D±N•D» D¿N€D, N•N•D¿D°D¹⁄² D¼D°N€N•D, D°D¹⁄²N•D°D, D¼  
D¿DµN•D°D³⁴D¼, N, D³⁴ DµN•N, NCE D³⁴D´D¹⁄²D³⁴D•D¹⁄²D°N±D¹⁄²D³⁴ D¹⁄²Dµ D³⁴N, D²D°D»D, D»N•N•  
D³⁴N, D¼D°N€N•D³⁴N...D³⁴D´D°. D¿D¿DµN±D, D°D»D, N•N, N•D•D¿D•  
D¿D³⁴D´N, D²DµN€D´D, D, N±N, D³⁴ N•N, D³⁴ D¹⁄²Dµ N±D°N•N, NCE D¼D°N€N•D³⁴N...D³⁴D´D°,  
D°, N•D°D³⁴N€DµDµ D²N•DµD³D³⁴, D³⁴D±D»D³⁴D¼D³⁴D° D±D³⁴D»DµDµ D°N€NfD¿D¹⁄²D³⁴D³D³⁴  
D°D°D¼D¹⁄²N•, N€D°N•D¿D³⁴D»D³⁴D¶DµD¹⁄²D¹⁄²D³⁴D³D³⁴ D¿D³⁴D´ D¿DµN•D°D³⁴D¼ D¹⁄²D°  
D±D³⁴D»NCE N´DµD¹ D³D»NfD±D, D¹⁄²Dµ. D£N±D, N, N•D²D°N•, N±N, D³⁴ D²D±D»D, D, D,  
D¹⁄²D°N...D³⁴D´D°D, D³⁴D±D¹⁄²D°N€NfD¶D, D»D, N•NCE N•D»DµD´N•  
D´D°D²D¹⁄²N•D¼D´D´D°D²D¹⁄²D³⁴ D²N•N•D³⁴N...N´DµD³D³⁴ N€NfN±NCE N•, D¿D³⁴N•D²D»DµD¹⁄²D, Dµ  
D±D»DµN•N, N•N%oDµD³D³⁴ D°D°D¼DµN´D°D° D¹⁄²Dµ D°D°D¶DµN, N•N• N±DµD¼•N, D³⁴  
N,, D°D¹⁄²N, D°N•N, D, N±DµN•D°D, D¼, D³⁴D´D¹⁄²D°D³⁴ D¼D¹⁄²D³⁴D³D, Dµ NfD²D, D´DµD»D, D²  
D¹⁄²DµD¼ D, N•D°NfN•N•N, D²DµD¹⁄²D¹⁄²N•D¹ D³⁴D±NŠDµD°N, D, D»D, N€D°N•N, DµD¹⁄²D, Dµ.  
DœD³⁴D¹⁄²D³⁴D»D, N, D¹⁄²D° DœD³⁴D±D³⁴N•Dµ D•Dµ N, D³⁴D»NCE D°D³⁴ DœD°N€N•  
"D³⁴N, D¼DµN, D, D»N•N•" D•D°D³D°D´D³⁴N±D¹⁄²N•D¼D, D³⁴D±NŠDµD°N, D°D¼D, D•D° DµD³D³⁴  
N•D¿NfN, D¹⁄²D, D°Dµ &ndash; DœD³⁴D±D³⁴N•Dµ - N, D°D°D¶Dµ DµN•N, NCE D¹⁄²D° N±N, D³⁴  
D¿D³⁴N•D¼D³⁴N, N€DµN, NCE. D DµN±NCE D, D´DµN, D³⁴D± D³⁴D±NŠDµD°N, Dµ,  
D¹⁄²DµD³⁴N,, N, N±D, D°D»NCE D¹⁄²D³⁴ D¹⁄²D°D•D²D°D¹⁄²D¹⁄²D³⁴D¼ "D¼D³⁴D¹⁄²D³⁴D»D, N, ". D-N, D³⁴N,  
D³⁴D±NŠDµD°N, D±N•D» N•N,, D³⁴N, D³⁴D³N€D°N, D, N€D³⁴D²D°D¹⁄² D² D°D²D³NfN•N, Dµ 1998  
D³D³⁴D´D° D•D³⁴D¹⁄²D´D³⁴D¼ Mars Global Surveyor D, D¹⁄²D°D•D²D°D¹⁄² D, D•D°  
N•N...D³⁴D´N•N, D²D° N• D, D¹⁄²D³⁴D¿D»D°D¹⁄²DµN, D¹⁄²N•D¼ D°N€N, DµN,, D°D°N, D³⁴D¼ D, D•  
N,, D°D¹⁄²N, D°N•N, D, N±DµN•D°D³⁴D³⁴ N, D, D»NCE D¼D° "DšD³⁴N•D¼D, N±DµN•D°D°N•  
D³⁴D´D, N•N•DµN• 2001". D DµN±NCE D, D´DµN, D³⁴ D²DµN€N, D, D°D°D»NCE D¹⁄²D³⁴  
N•N, D³⁴N•N%oDµD¹ N, N€DµNfD³D³⁴D»NCE D¹⁄²D³⁴D¹ D¿N€D, D•D¼Dµ D²N•N•D³⁴N, D³⁴D¹ 85 D¼ N•  
"D¿D³⁴D´D³⁴D•N€D, N, DµD»NCE D¹⁄²D³⁴" D¿N€D°D²D, D»NCE D¹⁄²N•D¼D,  
D¿N€D³⁴D¿D³⁴N€N±D, N•D¼D, D, D³⁴N•N, N€N•D¼D, D³⁴N€D°D¹⁄²N•D¼D, DœD°D°D°N•  
D¹⁄²DµD³⁴D±N•N±D¹⁄²D°N• N,, D³⁴N€D¼D° N•D°D°D»N• D¿N€D, D²D»DµD°D»D°  
D²D¹⁄²D, D¼D°D¹⁄²D, Dµ D¿N€DµN•N•N• D, D³⁴ D¼D³⁴D¹⁄²D³⁴D»D, N, Dµ D¹⁄²D°N±D°D»D,  
D³⁴D²D³⁴N€D, N, NCE. D´D¹⁄²N, DµN€DµN•D¹⁄²D³⁴, N±N, D³⁴ D³⁴ D¹⁄²DµD¼ D³D³⁴D²D³⁴N€N•N,  
D´D³⁴ N•D, N... D¿D³⁴N€, N... D³⁴N, N• D² D•D•D¿D• D•D°N•D²D, D»D, N±N, D³⁴ N•N, D³⁴  
D³⁴D±N•N±D¹⁄²D°N• N•D°D°D»D° &ndash; D¿N€D³⁴N•N, D³⁴ D¹⁄²DµD³⁴D±N•N±D¹⁄²D³⁴D¹  
N,, D³⁴N€D¼N•. DÝN€D, N•N, D³⁴D¼ D¹⁄²D° DœD°N€N•Dµ N, D³⁴D¶Dµ DµN•N, NCE  
D¿D³⁴N...D³⁴D¶D, D¹ D¼D³⁴D¹⁄²D³⁴D»D, N, (-7.2S; 267.4E), D°D³⁴N, D³⁴N€N•D¹  
N•D¿DµN±D, D°D»D, N•N, N•D•D¿D• D¹⁄²D°D•N•D²D°NŽN, "N€N•D´D³⁴D²N•D¼  
D²D°D»NfD¹⁄²D³⁴D¼", D¹⁄²Dµ D, D¼DµNŽN%oD, D¼ N±DµN, D°NfNŽ  
D¿N€N•D¼D³⁴NfD³⁴D»NCE D¹⁄²NfNŽ N,, D³⁴N€D¼Nf N, D³⁴D»NCE D°D³⁴ D, D•D•D°  
D¿D, D°N•DµD»D, D•D°N±D, D, D°D°N€N, D, D¹⁄²D°D, DšD°D° D, D•D²DµN•N, D¹⁄²D³⁴, D¹⁄²D°  
N±D, N, N€D³⁴D²N•N... N,, D³⁴N, D³⁴ D¿D, D°N•DµD»D, D°D²D°D´N€D°N, D¹⁄²N•Dµ, N±N, D³⁴  
D´DµD»D°DµN, D³N€D°D¹⁄²D, D²N•DµN... D³⁴D±NŠDµD°N, D³⁴D², N•D¹⁄²N•N, N•N... N•





