Number 171



June/July, 2011

Notes from Hades

o travel since the last issue since two trips were canceled. The state of the UN organization that I work with is in a bit of flux, which has disrupted the work somewhat. Things should hopefully settle down over the course of the summer, however.

No games finished this turn, although a couple look to be finishing in the near future. New game starts are still available, but I still need game fees before most of them can start.

The next deadline is **Tuesday**, **July 12 at 5:00 p.m. Pacific Time. Please do not call or fax orders after 10:00 p.m. Pacific time**. My wife and I tend to retire early. Also, if you want to fax in orders, call first. We hang up on unannounced faxes

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Game Openings

Purebred. Machiavelli. Have Ward Narhi(\$), Bob Robles(\$), Pasquale Giovine, Walt O'Hara, Mike Scott, Kevin Wilson(\$), Jerry Roalstad, Jack McHugh. This game is full.

Golden Retriever. Seafarers of Catan. Have Chris Geggus(\$), Dave Hooton, Mike Scott, Bill Scharf(\$). Will take up to 2 more.

Rottweiler. Industrial Waste. Have Andy York(\$), Eric Brosius(\$), Richard Weiss(\$), will take up to 1 more.

Pick of the Litter. Silverton. Will start after Hunter ends. Have Dave Hooton(\$), Paul Bolduc(\$), will take up to 4 more.

Russian Wolfhound. Kremlin. Will start after Pateel ends. Have Walt O'Hara, Mike Scott, Bob Robles(\$), Bill Scharf(\$), Jack McHugh. Will take up to 1 more.

Dog Show. Outpost. Will start after Basset ends. Have Eric Brosius(\$), Andy York(\$), Andy Lewis, Dave Hooton, Bill Scharf(\$), Kevin Wilson(\$), Dave Hood, will take up to 3 more.

Portuguese Water Dog. Goa. Have Brad Martin(\$), Chris Geggus(\$), will take up to 2 more.

Dachshund. Age of Renaissance. This will use the EuroGames rules. Have Paul Bolduc(\$), Chris Geggus(\$), Bob Robles(\$), Jack McHugh, will take up to 2 more. Players who have a (\$) after their name have paid the necessary game fee.

Wish List

Power Grid. Players will have the choice of 10 maps and several deck options. Have Dave Hooton, Chris Geggus, will take up to 4 more.

Phoenicia. A game similar to Outpost set in ancient times. Have Cary Nichols, Andy York, will take up to 8 more.

Puerto Rico. Will start after Plantation Dog ends. Have Chris Geggus, will take up to 4 more.

Machiavelli. This game will start after the next Machiavelli game finishes. Have Bob Robles, will take up to 7 more.

Gunboat Machiavelli. This game will start after the second Machiavelli game finishes. Have 1, will take up to 7 more. This box ☐ will be checked if you have signed up.

Robo Rally. Map to be decided. Have Chris Geggus, will take up to 7 more.

In general, game ownership is recommended, but not required.

Note that a subscription to S.O.B. is not required to play in a game run by flier, but that a game fee will be charged to non-subbers.

S.O.B. is a zine of unusual postal games, and anything else I feel like including. Your publisher is:

Chris Hassler a.k.a. Cerberus 2000 S. Armour Court La Habra, CA 90631

Phone: (562) 690-7827, Fax: (562) 690-7827 chassler@roadrunner.com

On the Web at: http://www.sob-zine.org

Subscriptions cost \$3.00 per issue (\$4.50 overseas).

Barking Up the Wrong Tree

Spring 1259

Miller Number 2007Bpw10

Advanced Rules, Natural Disasters, Special Military Units, Conquest, Gray Press, Ultimate Victory Deadline Summer 1259 7/12, Tuesday

Florence now joins in the alliance with Aragon, the Pope, and Venice against Milan. Aragon and Milan each make successful and unsuccessful assaults. Venice defends his territory and maneuvers his forces.

Fall 1258 Retreats

Aragon F Corsica retreats to Sardinia

Ruild

		Cost
Aragon	Maintains all, no new builds	15
Florence	Maintains all, no new builds	3
Milan	Maintains A Tyrolea, Pavia, Modena, Avignon, F Provence, F	30
	(EM) Corsica, builds F Savoy, F Genoa, G Pavia	
Papacy	Maintains F Rome, A Pisa, A Florence, A Urbino, builds A	18
	Ancona, G Rome	

Venice Maintains all, no new builds

Aragon spends 12 ducats to disband Milan F Provence

Orders

Expenditures

Aragon (Scharf): F Ligurian Sea to Genoa (DISLODGED, retreat Piombino,

OTB), F Gulf of Lions to Provence, F Sardinia supports F
Tyrrhenian Sea, F Western Mediterranean to Gulf of Lions, F

21

Tyrrhenian Sea supports F Sardinia (cut)

FLORENCE (Whyte): A Lucca to Modena

MILAN (Renken): A Avignon to Turin, A Tyrolea to Como, A Pavia supports

A Tyrolea to Como, A Modena to Parma, F Provence to Gulf of Lions (nsu), F (EM) Corsica to Tyrrhenian Sea, F Savoy supports F Genoa to Ligurian Sea, F Genoa to Ligurian Sea,

G Pavia supports A Pavia

Papacy (Robles): <u>A Pisa supports Florence A Lucca hols (nso)</u>, A Florence

supports A Urbino to Bologna, A Urbino to Bologna, A Ancona to Urbino, F Rome holds (u), G Rome holds

Venice (Partridge): <u>A Como supports A Milan (cut),</u> A Milan supports A Como,

A Bergamo supports A Milan, A Verona supports A Carniola to Carinthia, A Carniola to Carintha, A Mantua supports

Barking Up the Wrong Tree

Florence A Lucca to Modena, F UPPER ADRIATIC supports Papal A Urbino to Bologna

Your ducats:

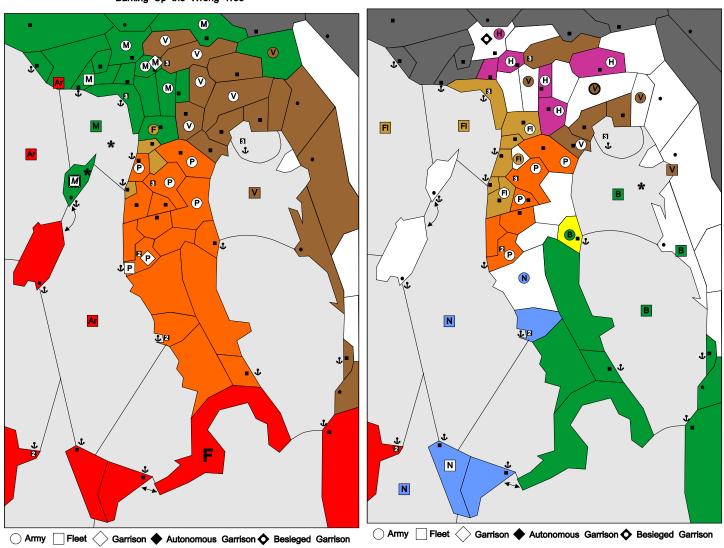
Press

Florence: I always wondered why I was mustard coloured: now I realize I'm spread thinly on the meat in the sandwich, and about to be consumed. Still, I do have exquisite taste!

Summer 1259 Plague

Good Year - No Plague!

Bolognese



Bolognese

Summer 1051

Miller Number 2010?????

Advanced Rules, Special Military Units, Conquest, Gunboat, Gray Press, Ultimate Victory Deadline for Fall 1052 7/12, Tuesday

The Normans gain against the Muslims while Pisa and the Pope stand guard against each other. The Holy Roman Empire and the Byzantines combine to stymie Venice.

<u>Errata</u>

MEDITERRANEAN, F Messina to PALERMO PAPACY :: A Bologna besieges (autonomous garrison destroyed), A

The orders in the paper and PDF copies of the zine for the Normans and the Papacy were not correct last issue, and reflected the previous turn. The orders

noted on the website and the results on the map were correct.

FLORENCE supports A Bologna, A AREZZO to Perugia, A Rome to Perugia

Spring 1052 Retreats Venice A Milan retreats to Parma

BYZANTINES **:**

NORMANS **:**

PISA ::

VENICE :

A Modena holds, A Pistoia to Pisa, A Sienna to Pisa, F Genoa to Ligurian Sea, F Ligurian Sea to Gulf of Lions

A PARMA to Milan, A (EM) VERONA to Trent, A FERRARA to

Orders

Verona, A Friuli to Dalmatia, F Upper Adriatic

A Aquila to Ancona, F Ancona to Upper Adriatic, F LOWER ADRIATIC supports F Ancona to Upper Adriatic, F

transports A Friuli to Dalmatia (DISLODGED, retreat Istria,

F Central Mediterranean holds (Destroyed)

Herzegovina to Dalmatia

Carniola, Venice, Urbino, OTB), F CROATIA supports A Friuli to Dalmatia

HOLY ROMAN EMPIRE : A TURIN besieges, A Milan to Pavia, A Trent to Verona,

Muslims:

A CREMONA to Milan, A MANTUA supports A Trent to

Your ducats:

A Naples to Capua, F Tyrrhenian Sea supports F

Palermo to Central Mediterranean, F Palermo to Central

Press

Byzantines – Normans: Tun/Sar/Cor could help us control the south and west.

Husky

End of Game Statements

Andy York (Deutsches Elektrisch Arbeit Direktor) Chris, thanks for the Dave Hooton (Volkisch Tzapverein) Congratulations to Andy on the win. In running the game. I certainly didn't expect it to end when, and as, it did. I'm ready case anyone wonders why I built to 19 cities, it is because I thought the number of for another round!

cities, not cash, was the tie-breaker.

Pateel

Turn 8, Cure through Health Turn 8, Funeral Commission through Parade, 5/31 Tuesday

Cure Phase

No politicians take the cure. Niewitko ages to 81, Schukrutoff ages to 80, Strychnin ages to 80, Wasolin ages to 56, and Eatstumuch ages to 66.

Purge Phase

Zapadniye Front plays Plan to Export Russian Cars (29). The first purge must be against the Industry Minister at +3. TCC plays New Siberian Oilfield (3). Purge rolls against him are reduced by 3. Schukrutoff does not act, so Wasolin takes the opportunity (dr = 18 + 3 - 3, success), and then attempts to purge Schukrutoff (dr =7+3, fails). Wasolin ages to 60.

Spy Investigation Phase

Talksalott calls a trial on Wasolin. Strychnin, Talksalott, and Satin vote guilty,

Politburo

Office Policitian Condition Influence Party Chief Petr Niewitko (D) 81, +, ?3 (PaH) KGB Head 80, ++, ? Lech Schukrutoff (B) Foreign Mikail Strychnin (T) 80, +1 (BBC) Defense Antonj Talksalott (J) 6 (BBC) 71 Ideology Victor Wasolin (Z) 60 5 (KMFC) Industry Economy Ulan Putschnik (Y) 52 Sport Oleg Satin (O) 62 2 (Fin), 7 (BBC)

Candidates: I, P, U, V, W Niewitko and Wasolin vote innocent, Schurutoff and Putschnik abstain. Wasolin is aquitted, Talksalott ages to 71.

Health Phase

Niewitko (dr = 8) gets sick. Schukrutoff (dr = 9) falls ill. Strychnin (dr = 19) remains sick. Talksalott (dr = 16) remains healthy. Wasolin (dr = 8) remains healthy. Putschnik (dr = 13) remains healthy.

Satin (dr = 12) remains healthy.

People:

Player

Siberia: L (68), X (61, ++), N, R (64), M (66)

Kremlin Wall: A, E, S, K, H, G, C, Q

> <u>Players</u> **Faction Name**

Bob Robles Karl Marx Fan Club

Ward Narhi Finlandia

Bolshevics Born in Calabria Pasquale Giovine Mike Scott The California Connection

Bill Scharf People are Heroes Brad Martin Zapadniye Front

KMFC have one wave. ZF have one wave. PaH have one wave.

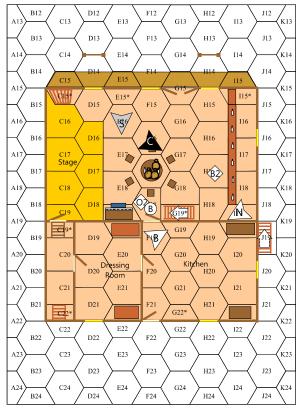
Intrigue Cards

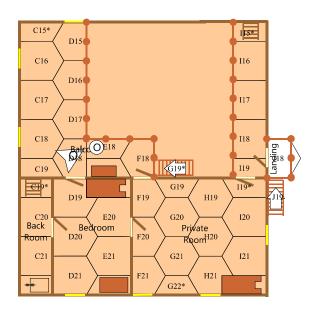
Undeclared Influence

Frontier Dog Turn 17 **Turn 18, 7/12 Tuesday**

Frontier Dog

Frontier Dog **Second Story**





Hitching Post Door **Bottle Stairs** Window Money Bag Player (dead) Player (up) Table Aim Points

Chair

Head

Card (4) – Leap, turn 1 of 1, draws 2 delay cards: 12 and 88,

Old Man: Banker: Player (down) NCO:

Old Man:

Banker:

NCO:

Segment 3 Card 6 - Cock/Aim/Shoot (Aim at F18), turn 1 of 2 Card (3) - Turn (Ahead right to face G19), turn 1 of 1

Hitching Post

Stairs

Player

Gun

Knife

Card 1 - Advance (ahead left to I19), turn 1 of 2 Segment 4

Card 6 - Cock/Aim/Shoot (Aim at F18), turn 2 of 2 Card 6 - Cock/Aim/Shoot (aim at H17), turn 1 of 2

Card 1 - Advance (ahead left to I19), turn 2 of 2, Head counter removed

Door

Window

Table

Chair

Bottle

Segment 5

Card (3) - Turn (straight ahead), turn 1 of 1 Card 6 - Cock/Aim/Shoot (aim at H17), turn 2 of 2 Pass

End of Turn

LOSE AIM and 0 delay points Segment 2

Gun

Knife

Old Man:

Banker:

NCO:

Card (8) - Head Out (UE18), turn 2 of 2 Old Man:

Banker: Card 5 - Cock/Aim/Shoot (Cock SW45), turn 2 of 2 NCO: Card (3) - Turn (ahead left to face H18), turn 1 of 1

(A)

Card (8) - Head Out (UE18), turn 1 of 2

Segment 1

Card 5 - Cock/Aim/Shoot (Cock SW45), turn 1 of 2

No actions

Old Man:

Banker:

NCO:

<u>Press</u>

Shaggy – Banker: All those shots that did little for me and you get a BE, really???????

<u>Westerners</u>

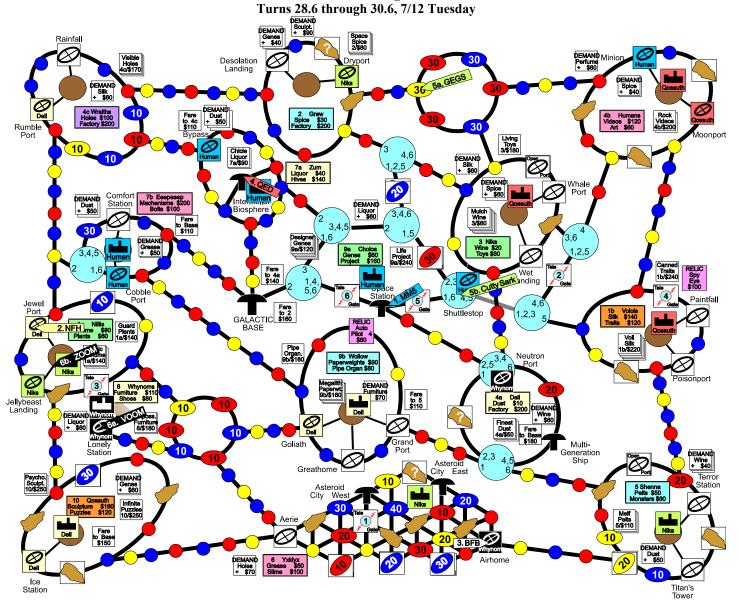
Side	Player	Character	Location	Bonus Cards	Skills	Delay	Endurance	Comments
A	Paul Bolduc	Old Man (O)	UD18>UE18	5, 7, 8	BR +1		25	HEAD in UE18, 2 AIM points
								in F18
В	Andy Lewis	Shaggy (C)	F16>G17				0	DEAD
C	James Pratt	Banker (B)	F19>G19				20	HEAD in F18, 2 AIM points in
								Н17
D	Mike Scott	Smith (S)	E16>E17	8	BR +2	N/A	0	SERIOUS 3, UNCONSCIOUS
Е	Chris Geggus	NCO (N)	I19>H19	9	BR +1		16	

Weapons

Character	Holstered	Gun Hand	Other Hand	Both Hands	Ammo
Old Man	Knife	Empty	Empty	C36c, cocked	C36c: △△△△△⊗
Shaggy	Knife, Money Bag	C45, uncocked	Empty	Empty	C45: O⊗⊗⊗⊗⊗
Banker	None	SW45, cocked	Empty	Empty	SW45: OOOOO⊗
Smith	Knife	C45c, cocked	Empty	Empty	C45c: △△△△△△
NCO	SBR	C41, uncocked	Empty	Empty	C41: ⊗⊗⊗⊗⊗

Procyon

Turns 26.5 through 28.5



Turn 26

- 5th: Chris Geggus (Niks/Ganymede Enterprises Going South) Rolls Used: 12 B30 - (R30) - B - Y - B.
- 6th: Dave Partridge (Whynoms/Venus-Orion Oligarch Mechantile) Rolls Used: 5 6

Lonely Planet – Lonely Station – B - (R) - (Y) - B10 - (R10) - B - (Y) - B

-(R) - Aerie -(Y) - (R20) - (Y) - A - (R30) - (Y20) - (R) - Airhome. Agent buys a Clipper (ZOOM) for \$120 VOOM transfers one Impossible Furniture to it and buys 2 Immortal Grease for \$100. Receives \$22 in port commissions.

Turn 27

1st: Andy Lewis (Humans/Mystery Machine 5) Rolls Used: 115 Interstellar Biosphere – B – Y – R – Bypass.

Sells Rock Videos for \$200 (from the cup: Fare to 4a at Base). Sells Rock Videos for \$200 (from the cup: Psychotic Sculpture at 10). Buys Factory for \$200 and 2 Chicle Liquors for \$80. Receives \$68 in port commissions.

2nd: Paul Bolduc (Dell/Not for Hire) Uses Mulligan Gear: 3 becomes 4, Rolls Used: 4 * 3

Ice Station(p) - A - R - Y - B - R - Y - A - JellyBeast Landing(p) - B -Jewel Port(o) - Jewel Port(s).

Buys Jewel Port for \$200.

3rd: Bob Robles (Eeepeeep/Bender's Freedom Brigade) Rolls Used: 1 6 6 Airhome(p).

Attempts to buy 2 Immortal Grease, but there are none available.

- 4th: Andy York (Qossuth/Qossuth Entrepreneur Division) Rolls Used: 33 B - Interstellar Biosphere.
- 5th: Chris Geggus (Niks/Ganymede Enterprises Going South) Rolls Used: 23 B - (R) - Minion.

Sells Space Spice for \$80 plus \$160 demand (from the cup: Immortal Grease

at 6 and Voll Silk at 1b). Sells Space Spice for \$80 plus \$120 demand (from the cup: Finest Dust at 4a and Mulch Wine at 3). Sells Living Toys for \$180 (from the cup: Demand for Dust at 5). Agent buys a Clipper (Cutty Sark) for \$120. Cutty Sark buys Rock Videos for \$120. MM5 receives \$86 in port commissions. Servo-mechanism transferred from GEGS to Cutty Sark

6th: Dave Partridge (Whynoms)

ZOOM: Rolls Used: 2 2 3 5

Airhome - A - R10 - A - A - TeleGate 1 - TeleGate 3 - A - Jellybeast Landin(p) - Jellybeast Landing(s).

Sells Impossible Furniture for \$180 (from the cup: Canned Traits at 1b).

Venus-Orion Oligarch Mechantile Rolls Used: 35

Airhome -(R10) - (Y20) - (R30) - A - (Y) - (R10) - (Y) - Aerie - (R) - B-(Y) - B - (R10) - B10 - (Y) - (R) - B - Lonely Station.

Sells Immortal Grease for \$100 (from the cup: Demand for Wine at 5). Sells Immortal Grease for \$100 (from the cup: Demand for Silk at 3). Buys Impossible Furniture for \$110 and Other Shoes for \$80. Receives \$39 in port commissions and \$40 in factory commissions.

Turn 28

1st: Andy Lewis (Humans/Mystery Machine 5) Rolls Used: 1 6 6 Bypass - Jump Start to TeleGate 6 - Space Station.

Sells Chicle Liquor for \$90 plus \$120 demand (from the cup: Rock Videos at 4b and Rock Videos at 4b).

2nd: Paul Bolduc (Dell/Not for Hire) Rolls Used: 4 * 3 Jewel Port(s) - Jewel Port(p).

Sells Psychotic Sculpture for \$250 (from the cup: Immortal Grease at 6). Buys Bionic Perfume for \$80. Receives \$33 in port commissions.

3rd: Bob Robles (Eeepeeep/Bender's Freedom Brigade) Rolls Used: 5 6 6 Airhome.

Buys 2 Immortal Grease for \$100. VOOM receives \$10 in port commissions.

4th: Andy York (Qossuth/Qossuth Entrepreneur Division) Rolls Used: 26

Sells Immortal Grease for \$100 (from the cup: Melf Pelts at 5). Sells Pet Monsters for \$150 (from the cup: Demand for Wine at 4a). Sells Primitive Art for \$160 (from the cup: Living Toys at 3). Buys Custom Hives for \$140 and 2 Chicle Liquor for \$80. MM5 receives \$70 in factory commissions.

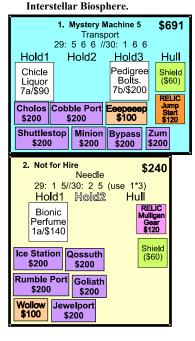
5th: Chris Geggus (Niks)

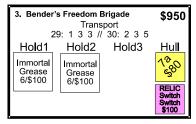
Ganymede Enterprises Going South Rolls Used: 34 Minion(p) - (R) - B - Y - B - (R30) - B30 - (R30) - Y30.

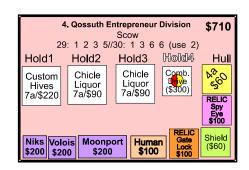
Cutty Sark Rolls Used: 3345

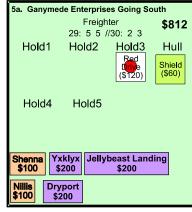
Minion(p) - B - A - Moonport(p) - Y - A - Y - R - NC5 - TeleGate 2 -TeleGate 5 – Shuttlestop.

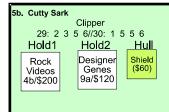
Sells Servo-mechanism for \$300 (from the cup: Designer Genes at 9a). Buys Designer Genes for \$60 and a shield for \$60. MM5 receives \$42 in port commissions











6a. VOOM \$1353 Merchantman 28: 4 5 5//29: 2 2 3//30: 1 3 5 (use 2) Hold4 Hull Hold₁ Hold2 Hold3 Imposs. Imposs. Other Furniture 8/\$180 8/\$180 8/\$160 Airhome Neutron Port Whynoms \$200 **Lonely Station** \$200

S.O.B.

66. ZOOM Clipper 28: 2 4 6 6//29: 5 5 5 6//30: 1 2 3 6 Hold1 Hold2 Hull

Current status:

1a (Nillis): 3 Bionic Perfume, Guard Plants

1b (Volois): 5 Voll Silk, Spy Eye Relic, Canned Traits

2 (Graw): 3 Space Spice, 2 Demand for Designer Genes (+\$40), Demand for Impossible Sculpture (+\$90)

3 (Niks): 2 Demand for Space Spice (+\$60), 5 Mulch Wine, 1 Demand for Voll Silk (+\$60), Living Toys

4a (Dell): 3 Finest Dust, 2 Demand for Mulch Wine (+\$60), Fare to Base (\$180)

4b (Humans): 2 Demand for Space Spice (+\$40), Demand for Bionic Perfume (+\$60), 2 Rock Videos

4c (Wraiths): Demand for Voll Silk (+\$60), 3 Visible Holes

5 (Shenna): 3 Demand for Mulch Wine (+\$40), 3 Melf Pelts, Demand for Finest Dust (+\$50)

6 (Yxklyx): Demand for Visible Holes (+\$70)

7a (Zum): 2 Chicle Liquor, 3 Demand for Finest Dust (+\$50), Fare to 4c (\$110)

7b (Eeepeeep): 2 Demand for Immortal Grease (+\$50), 2 Demand for Finest Dust

(+\$50), Fare to Base (\$110)

8 (Whynoms): 2 Impossible Furniture, Demand for Chicle Liquor (+\$60)

9a (Chola): 1 Demand for Chicle Liquor (+\$60), Life Project, 5 Designer Genes **9b** (Wollow): 4 Megalith Paperweight, Demand for Impossible Furniture (+\$70),

Fare to 5 (\$110), Portable Pipe Organ

10 (Qossuth): 2 Demand for Designer Genes (+\$60), Infinite Puzzles, Fare to

Base (\$150), 2 Psychotic Sculpture Base: Fare to 2 (\$160), Fare to 4a (\$140)

Basset Turn 15 Turn 16, 7/12 Tuesday

Commander Actions

Lowreyville opens up the bidding on a Moon Base at 201 and HOBO gets it for 207 (Wa4, Wa5, Wa6, Wa6, Wa7, Wa7, Wa7, Wa10, MWa, Re11, Re11, Re12, Re13, Re14, Re15, Re15, Re17, Re17). Opens up the bidding on a Moon Base at 201 and MMC gets it for 202 (Or2, MWa, MTi, Mi14, Mi14, Mi16, Mi17, OM30, OM35). Opens up the bidding on a Moon Base at 201 and gets it (Or3, Or4, Or5, MWa, MTi, Re10, Re16, NC16, NC18, OM25, OM30). Uses excess population to man the Moon Base.

MMC buys 3 population factors (Mi16).

Little Green Men opens the bidding on the Space Station at 120 and gets it (Or3, Wa8, Wa8, MWa, Re12, Re13, Re14, Mi16, Mi16). Shifts a population factor from an ore factory to man it.

Cosmic Nomads opens the bidding on an Orbital Lab at 50 and BarterTown gets it for 60 (Wa7, Ti7, Ti11, Ti12, Ti12, Re11). Buys a research factory (Wa5, Wa5, Wa6, Wa7, Wa7) and 3 robots (Re13, Re17).

BarterTown buys a research factory (Wa7, Wa7, Wa7, Ti9) and moves a robot from an ore factory to man it.

HBDC builds a research factory (Wa4, Wa6, Wa6, Wa7, Wa7) and moves a population factor from an ore factory to man it.

ShaggyMobile opens the bidding on the Planetary Cruiser for 160 and gets it (Wa5, Wa7, Wa7, Wa9, MWa, MWa, MWa, Ti7, Ti7, Ti7, Ti9, Ti12). Buys a population factor to man it (Ti10).

HOBO moves a population factor from a water factory to the Moon Base.

The Players

	Outpost Name	Commander	Factories	Upgrades	VP
1	Lowreyville	Michael Lowrey	OrF, OrF, WaF, WaF, WaF, WaF, TiF, TiF, TiF, TiF, NCF, NCF	No, HE, 2Sc, Ou, Ec, SS, MB	67
2	MMC	Eric Brosius	OrF, OrF, WaF, WaF, WaF, WaF, TiF, TiF, TiF	HE, No, 3OL, Ec, Ou, SS, MB	66
3	Little Green Men	Dave Partridge	OrF, OrF, WaF, WaF, WaF, WaF, ReF	No, 2Ec, Wa, OL, Sc, La, Ro, SS	43
4	НОВО	Dave Hooton	OrF, OrF, WaF, WaF, WaF, WaF, ReF, ReF	No, DL, Wa, La, Sc, MB	38
5	ShaggyMobile	Andy Lewis	OrF, OrF, WaF, WaF, WaF, WaF, TiF, TiF	2HE, Wa, 2Ou, PC	36
6	Cosmic Nomads	Cary Nichols	OrF, OrF, WaF, WaF, WaF, WaF, WaF, ReF, ReF, ReF	2DL, No, Wa, Ec, La, Sc, Ro	35
7	BarterTown	Andy York	OrF, OrF, WaF, WaF, WaF, WaF, TiF, TiF, TiF, TiF, ReF, ReF	HE, 2Ro, La, OL	34
8	HBDC	Kevin Wilson	OrF, OrF, WaF, WaF, WaF, WaF, TiF, ReF, ReF, ReF	2DL, Wa, La, Ou	27

HBDC is Heavenly Bodies Development Corporation. MMC is Mud Mining Corporation. HOBO is High Orbit Biological

Available Upgrades

New Arrivals: Space Station, Moon Base, Space Station, Moon Base, Planetary

Cruiser, Planetary Cruiser

Cruiser, Fianetary Cruiser							
Upgrade	Minimum Bid	Available	Not Yet Delivered				
Robots (Ro)	50	1	0				
Space Station (SS)	120	2	2				
Planetary Cruiser (PC)	160	2	4				
Moon Base (MB)	200	3	0				

Production Cards

MMC, Lowreyville, LGM, ShaggyMobile, Cosmic Nomads, and HBDC took MegaWater cards. MMC and Lowreyville took MTi cards.

Hunter

Turn 12, Phases IV – VI, Turn 13, Phases I - III Turn 13, Phases IV – VI, Turn 14 Phases I - III, 4/19 Tuesday Turn 12

Operations

Red (Nichols) declines claim #28, operates #63 (\$50, 3 lumber) and #53 (\$30, depleted). No deliveries due to snow. Gains \$130 in passenger revenue.

Orange (Hooton) no operations. Collects \$20 in passenger revenue.

Green (Longdin) operates #116 (\$30, 1 lumber), #109 (\$20, 2 copper), and #105 (\$40, depletes), no deliveries due to snow, gains \$200 in passenger revenue.

Brown (Partridge) operates #76 (\$20, 3 coal), #36 (\$50, 1 silver), #75 (\$20, 5 coal), delivers 4 coal from Craig to Salt Lake City for \$400 and 1 silver from Eureka to Salt Lake City for \$400, gains \$410 in passenger revenue.

Blue (Scharf) operates #86 (\$20, 2 coal), #42 (\$40, 2 silver), delivers 5 coal from Canon City to Denver for \$700 and 2 silver from Leadville to Denver for \$800. **Aqua** (Brosius) uses snowplow on Cuba to Blanco (automatic), operates #58 (\$40, 2 lumber), #119 (\$40, 2 coal), and #122 (\$20, 3 coal), delivers 1 coal from Cuba to Santa Fe for \$120, 2 lumber from Dolores to Santa Fe for \$320, and 3 coal from Farmington to Santa Fe for \$360, collects \$90 in passenger revenue.

Determine Price Changes

Copper: +1 to \$200 Gold: +2 to \$275 Silver: Remains at \$400 Denver Salt Lake City Pueblo Santa Fe El Paso Remains at \$200 Remains at \$160 Remains at \$300 Remains at \$200 Remains at \$200 Lumber: -1 to \$120 Remains at \$100 Remains at \$80 Remains at \$120 Remains at \$140 Coal:

Turn 13

Move Prospectors and Surveyors

Red (Nichols) surveys Dolores to Montecello and Lumberton to El Vado, prospects the deck.

Brown (Partridge) prospects #67 and #72, no surveying
Blue (Scharf) surveys Walsenburg to Alamo, prospects #43

Orange (Hooton) surveys Grand Junction to Mack, prospects #40. Aqua (Brosius) surveys Newcomb to Gallup and Belen to Soccoro, prospects

Green (Longdin) surveys Alamagordo to Cloudcroft and La Madera to Vallecitos, #11-

prospects #117

Dispute Resolution

Red draws claim #31 (gold at Cripple Creek) and has first right of refusal. No disputes. Red spends \$220, Orange spends \$80, Green spends \$400, Brown spends \$120, Blue spends \$260, and Aqua spends \$320.

The Players

Player	Color	Starting Location	Money	Trains	Snowplows	Personnel
Cary Nichols	Red	Denver	\$830	9, 15		S, S, P
Dave Hooton	Orange	Denver	\$140	9	+2	S+2, S, P
Michael Longdin	Green	El Paso	\$4,560	9, 15, 24		S, S, P
Dave Partridge	Brown	Salt Lake City	\$3,915	9, 24		S, S, P+1, P
Bill Scharf	Blue	Pueblo	\$2,720	9, 15, 24		S+1, S, P+1
Eric Brosius	Agua	Santa Fe	\$730	9, 15, 24	+3	S. S. P+1

	<u>Purchased Claims</u>					
#	City	Owner	Type	Goods	Operation	
63	Lumberton	Red	Lumber	4	\$50	
47	Ouray	Orange	Silver	10	Depleted	
40	Aspen	Orange	Silver	N	\$40	
108	Lordsburg	Green	Copper	11	Depleted	
107	Santa Rita	Green	Copper	6	Depleted	
116	Pinos Altos	Green	Lumber	8	\$30	
109	Pinos Altos	Green	Copper	8	\$20	
117	Cloudcroft	Green	Lumber	N	\$50	
25	Bingham	Brown	Gold	6	Depleted	
68	Scofield	Brown	Coal	1	Depleted	
26	Marysvale	Brown	Gold	1	Depleted	
76	Craig	Brown	Coal	3	\$20	
36	Eureka	Brown	Silver	1	\$50	
75	Rangely	Brown	Coal	5	\$20	
67	Coalville	Brown	Coal	N	\$30	
72	Emery	Brown	Coal	N	\$30	
49	Silverton	Blue	Silver	3	Depleted	
86	Canon City	Blue	Coal	0	\$20	
50	Silverton	Blue	Silver	N	\$50	

#	City	Owner	Type	Goods	Operation
42	Leadville	Blue	Silver	0	\$40
43	Leadville	Blue	Silver	N	\$50
120	Cuba	Aqua	Coal	1	Depleted
106	Cuba	Aqua	Copper	1	Depleted
119	Farmington	Aqua	Coal	10	\$40
58	Dolores	Aqua	Lumber	4	\$40
122	Lee Ranch	Aqua	Coal	3	\$20
	West				
114	McGaffey	Aqua	Lumber	N	\$30

Purchased Passenger Lines

#	Type	Route	Payoff	Owner	Notes
3	A	Denver - Colorado Springs	\$50	Red	
5	A	Denver – Pueblo	\$80	Red	
1	A	Denver – Boulder	\$20	Orange	
9	В	Denver – Leadville	\$120	Orange	
8	A	Denver – Leadville	\$260	Orange	1
4	A	El Paso – Deming	\$60	Green	
13	В	El Paso – Santa Fe	\$140	Green	
2	A	Salt Lake City – Provo	\$20	Brown	

#	Type	Route	Payoff	Owner	Notes
16	В	Salt Lake City – Grand Jct.	\$250	Brown	2
11	В	Salt Lake City – Grand Jct.	\$140	Brown	3
6	A	Santa Fe – Albuquerque	\$90	Aqua	

- ¹Discard after 4 Leadville depletions
- ² Discard when 22 is taken. Good for \$250 toward card 22.
- ³ Discard when 20 is taken. Good for \$140 toward card 20 or 21.

Available Claims

#	City	Type	Claim	Operation
78	Bowie	Coal	\$80	\$40
28	Leadville	Gold	\$240	\$60
48	Ouray	Silver	\$60	\$40
66	Vallecitos	Lumber	\$60	\$30
89	Walsenburg	Coal	\$60	\$30
97	Elizabethtown	Gold	\$140	\$40
54	Steamboat	Lumber	\$80	\$40

Available Trains

Type	# Available	Cost		
9	0	\$80		
15	2	\$120		
24	6	\$200		
42	8	320		
72	8	\$500		

S.O.B.

#	City	Type	Claim	Operation
	Springs			
31	Cripple Creek	Gold	\$320	\$80

Claims in italics are under first right of refusal.

Available Passenger Lines

#	Type	Route	Payoff	Cost	Notes
14	В	El Paso – Albuquerque	\$220	\$405	
21	C	Salt Lake City – Colorado Springs	\$600	\$930	
20	C	Salt Lake City – Pueblo	\$600	\$930	
10	В	Denver – Aspen	\$130	\$250	
12	В	Pueblo – Grand Jct.	\$150	\$310	4
23	C	Salt Lake City – Santa Fe	\$900	\$1340	
23	C	Salt Lake City – Santa Fe	\$900	\$1340	
7	A	Pueblo – Santa Fe	\$120	\$280	

⁴ Discard when 20 is taken. Good for \$150 toward card 20 or 21.

Available Snowplows

Type	# Available	Cost
Die +2	2	\$40
Die +3	3	\$80
Die +4	5	\$140
Die +5	6	\$200

Dogbreath

Epoch IV Guptas, Goths, and Huns

Epoch IV Byzantines, T'ang Dynasty, Arabs, and Khmers, 7/12 Tuesday

The Questioner (Partridge) plays Pestilence in the Hindu Kush. Sassanid armies in Hindu Kush and Persian Plateau are eliminated. GUPTAS: Plays Allies, Army and Capital Eastern Deccan (Mauryan army eliminated), fleet Bay of Bengal, army Western Deccan (vs. Macedonians; G: 5, 4; M: 4; wins), Upper Indus (vs. Romans; G: 5, 1; R: 3; wins), Hindu Kush, Persian Plateau, Turanian Plain (vs. Sassanids; G: 6, 5; S: 2; wins), Eastern Steppe, Zagros (vs. Sassanids; G: 3, 3; S: 6; loses), Zagros (vs. Sassanids; G: 5, 2; S: 4; wins, Capital reduced to city). Builds Monument Eastern Deccan. Points: Dominance in China (6), India (6), Presence in Middle East (3), Southeast Asia (2), 1 Capital (2), 1 city (1), 2 Seas (2), and 3 Monuments (3) for 25 points.

Great Explorers Grabbing Samples (Geggus) plays Kingdom in the Highlands, army, city and fort in Highlands. Plays Rebellion in Eastern Deccan (vs. Guptas; R: 5, 2; G: 1; wins, Capital reduced to city). GOTHS: Army Danubia (Greek army retreats to Balkans), Dneipr (vs. Celts; automatic), Central Europe (vs. Romans; G: 6, 1; R: 6; G: 5, 3; R: 2; wins), Dalmatia, Northern Appenines (vs. Romans; G: 5, 4; R: 1; wins), Southern Appenines (vs Romans; G: 3, 2; R: 2; wins, Capital reduced to city), Pindus (vs. Civil War; G: 6, 1; C: 5, 1; wins, city eliminated), Western Anatolia (vs. Assyria; G: 2, 1; A: 6, 1; loses), Western

Anatolia (vs. Assyria; G: 6, 1; A: 5, 3; wins), Morea (vs. Romans; G: 3, 1; R: 2; wins). Points: Dominance in Southern Europe (6), Northern Europe (4), Presence in Middle East (3), India (3), 3 cities (3), 1 Sea (1), 3 Monuments (3) for 23 points. Time Traveler (Anderson) plays Kingdom in the Malayan Peninsula (Roman army retreats to Ganges Delta, army, city and fort in Malayan Peninsula). HUNS: Army Western Steppe (Scythean army destroyed), Eastern Steppe (vs. Guptas; H: 4, 3; G: 4; H: 6, 6; G: 2; wins), Tarim Basin (vs. Sassanids; H: 5, 3; S: 5, 1; H: 5, 3; S: 6, 5; loses), Tarim Basin (vs. Sassanids; H: 5, 2; S: 6, 1; loses), Tarim Basin (vs. Sassanids; H: 5, 2; S: 6, 2; loses), Tarim Basin (vs. Sassanids; H: 4, 2; S: 4, 1; H: 4, 3; S: 4, 2; H: 6, 1; S: 4, 4; wins), Dniepr (vs. Goths; H: 4, 1; G: 1; wins), Caucuses (vs. Celts; H: 4, 2; C: 2; wins), Eastern Anatolia (vs. Macedonians; automatic victory), Zagros (vs. Guptas; H: 6, 1; G: 2; wins, city eliminated), Baltic Seaboard (vs. Greek City States; H: 3, 1; G: 1; H: 5, 5; G: 4; wins), Lower Rhein (vs. Romans; H: 6, 5; R: 5; wins), Central Europe (vs. Goths; H: 3, 2; G: 1; wins), Northern Gaul (vs. Romans; H: 5, 4; R: 5, 3; H: 6, 1; R: 6, 6; H: 6, 3; R: 4, 3; wins). Builds Monument Central Europe. Points: Dominance in Middle East (6), Northern Europe (4), Presence in China (3), India (3), Southeast Asia (2), 3 cities (3), and 3 Monuments (3) for 24 points.

Players

	<u> </u>				
Player Name	Player Faction Name/Color	Empire Strength Points	Victory Points		
Andy Lewis	Marching Through the Ages (red)	21	40		
Paul Bolduc	Arachnids (blue)	22	52		
Chris Geggus	Great Explorers Grabbing Samples (yellow)	32	78		
Kevin Wilson	Royal Manticoran Historical Society (purple)	37	76		
Dave Partridge	The Questioner (green)	39	77		
Dave Anderson	Time Traveler (orange)	39	76		

Positions

Arachnids: NILE KINGDOM: Army, city, and fort Upper Nile. MAURYA: Armies Sumatra, Mekong.

Time Traeler: MACEDONIANS: Army and city Lower Tigris, Lower Indus, armies Persian Salt Desert, Western Ghats. KINGDOM: Army, city, fort Malayan Peninsula. HUNS: Army and Monument Zagros, Tarim Basin, Central Europe, armies Eastern Steppe, Western Steppe, Dniepr, Caucuses, Eastern Anatolia, Baltic Seaboard, Lower Rhein, Northern Gaul.

Marching Through the Ages: ASSYRIA: Army Palestine. SASSANIDS: Army, city, and Monument Great Plain of China, army and Monument Upper Tigris, army

Wei River.

Royal Manticoran Historical Society: Fleets Red Sea, Western Mediterranean, Eastern Mediterranean. CARTHAGINIA: Army, Capital, and Monument Shatts Plateau, army and Monument Nile Delta, armies Libya, Nubia, Southern Iberia. MAYANS: Two armies and Capital Central America. ROMANS: Army, city, and Monument Crete, two armies and Monument Middle Tigris, Ganges Delta, army and Monument Albion, armies Central Massif, Levant, Ganges Plain.

The Questioner: Fleets South China Sea, Bay of Bengal. PERSIA: Army Eastern Ghats. HAN DYNASTY: Armies Yellow River, Yangtse Kian, Chekiang, Si-Kyang, Szechuan, Irrawaddy. GUPTAS: Army and Monument Persian Plateau, armies Western Deccan, Upper Indus, Hindu Kush, Turanian Plain.

Great Explorers Grabbing Samples: Fleet Black Sea. GREEK CITY STATES: Two armies Balkans. SCOTTS: Army, city, and fort Highlands. REBELLION: Army, city, and Monument Eastern Deccan. GOTHS: Army, city, and Monument Southern Appenines, army and Monument Morea, armies Danubia, Dalmatia, Northern Appenines, Pindus, Western Anatolia.

Epoch IV Empire

Event Cards

Plantation Dog Turn 9 Turn 10, 7/12 Tuesday

Andy Y. selects the Craftsman, producing 5 sugar and 1 corn, Andy L. produces 2 coffee, 1 indigo, and 2 corn, Paul produces 2 indigo, Chris produces 2 indigo, 1 sugar, and 1 tobacco, and gains 2 doubloons from the Factory, and Richard produces 1 indigo and 2 coffee.

Andy L. selects the Builder, gains 1 doubloon, and buys a Trading Post (1 Quarry, Builder privilege, 3 doubloons), Paul passes, Chris builds a Coffee Roaster (1 Quarry, 5 doubloons), Richard builds a small sugar mill (1 Quarry, 1 doubloon), and Andy Y. passes.

Paul selects the Trader, selling 1 indigo for 4 doubloons (1 base, +1 Trader privilege, +2 Large Market), Chris sells tobacco for 3 doubloons, Richard sells coffee for 5 doubloons (4 base, +1 Small Market), Andy Y. sells sugar for 2 doubloons.

Chris selects the Mayor and places colonists on a tobacco plantation, Tobacco Storage, and the Coffee Roaster, Richard places colonists on the corn plantation and the Small Sugr Mill, Andy Y. places colonists on the tobacco plantation and Small Indigo Plant, Andy L. places a colonist on the Trading Post, and Paul places a colonist on the sugar plantation.

Richard selects the Prospector and receives 2 doubloons.

The Players

Player Name	Role	Plantations	Buildings	San Juan	Doubloons	Stored Production	VP
Paul Bolduc	Trader	Indigo, Indigo, Quarry,	Connection Hut, Indigo Plant (2),		5	1 Indigo	5
		Quarry, Quarry, Coffee,	Small Sugar Mill, Church, Large				
		Sugar	Market				
Chris Geggus	Mayor	Indigo, Quarry, Tobacco,	Indigo Plant (1), Aquaduct, Black		5	2 indigo, 1 sugar	7
		Corn, Sugar, Indigo, Tobacco	Market, Tobacco Storage (2), Small				
			Sugar Mill, Factory, Coffee Roaster				
			(1)				
Richard Weiss	Prospector	Indigo, Coffee, Quarry, Corn,	Small Market, Coffee Roaster (2),	2	8	1 Indigo, 2 Coffee	4
		Quarry, Coffee, Corn	Small Indigo Plant, Harbour, Small				
			Sugar Mill				
Andy York	Craftsman	Corn, Sugar, Sugar, Tobacco,	Sugar Mill (3), Small Sugar Mill,		4	1 Corn, 4 Sugar	20
		Sugar, Sugar, Sugar	Small Indigo Plant, Small				
			Warehouse				
Andy Lewis	Builder	Corn, Coffee, Coffee, Indigo,	Hacienda, Storehouse, Coffee		3	2 Corn, 1 Indigo, 4	14
		Corn, Quarry, Corn, Corn,	Roaster (2), Small Indigo Plant,			Coffee	
		Sugar, Sugar	Trading Post				

Player in bold is the Governor for next turn. Plantations and buildings in bold are manned. Buildings that can be manned by more than one colonist will have the number manning them in parentheses after the building name.

Available Items

Colonists:Supply:25Colonist Ship:6Trading House:Victory Points:72Cargo Ships:Ship 1 (capacity 6):Ship 2 (capacity 7):Ship 3 (capacity 8):7 Corn

Commodities

Corn: 0 Indigo: 6 Sugar: 6 Tobacco: 9 Coffee: 3

Buildings

Column 1	Column 2	Column 3	Column 4
Small Indigo Plant (1d, 1VP)	Indigo Plant (3d, 2VP)	Tobacco Storage (5d, 3VP) (x2)	Guild Hall (10d, 4VP)
	Sugar Mill (4d, 2VP) (x2)	Lighthouse (7d, 3VP)	Residence (10d, 4VP)
	Hospice (4d, 2VP)	University (8d, 3VP)	Fortress (10d, 4VP)
	Guesthouse (4d, 2VP)	Library (8d, 3VP)	Customs House (10d, 4VP)
	Office (5d, 2VP) Specialty Factor		City Hall (10d, 4VP)
	Small Wharf (6d, 2VP)		Cloister (10d, 4VP)

Column 1 Column 2		Column 3	Column 4
Forest House (2d, 1VP)	Large Warehouse (6d, 2VP)	Wharf (9d, 3VP)	Statue (10d, 8VP)

Roles

Builder, Captain(1d), Craftsman, Mayor, Prospector, Prospector (2d), Settler(1d), Trader

Plantations

Quarry, Forest (x12), Tobacco, Tobacco, Corn, Corn, Coffee, Sugar

Discard Pile: Tobacco, Tobacco, Indigo, Indigo, Indigo, Indigo, Tobacco, Tobacco, Coffee, Indigo, Coffee, Indigo, Sugar

Pedagoguery

When Isaac Newton formulated the laws of universal gravitation, it was believed that the orbits of the planets could be predicted with perfect accuracy. If the Sun were the only gravitating body in the solar system, then that would in fact be the case. However, the planets exert small gravitational tugs on each other, and those tugs can sometime add up to devastating effect.

Recent observations of other planetary systems have demonstrated this. For example, the start Upsilon Andromedae has three known planets. The outer two planets have highly eccentric orbits (meaning they are highly elliptical) which can be explained by the gravitational ejection of a fourth planet at sometime in the past. In fact, calculations find that the two planets return to the configuration that existed just after the disaster every 8000 years.

The key to understanding potential orbital instabilities is the concept of resonances. These are circumstances where two bodies have a simple ratio of orbital periods. For example, Neptune and Pluto have a 3:2 resonance: Neptune makes three orbits for every two of Pluto's. In this case, it is has a stabilizing effect – it ensures that neither body is anywhere near the other when Pluto crosses Neptune's orbit.

Another example is the Galilean moons of Jupiter. The innermost three, Io, Europa, and Ganymede, have a 4:2:1 resonance with each other. The net result of this is that Io's orbit is distinctly elliptical, resulting in a great deal of tidal heating. The result has made Io the most volcanically active body in the solar system. However, the eccentricity of the orbits of those three moons has other effects. Take, Io, for example. Io's gravity raises a tidal bulge on Jupiter. Due to Jupiter's fast rotation in comparison to Io's orbit (10 hours as compared to 42 hours), the tidal bulge exerts a gravitational pull on Io that tends to accelerate it in its orbit, causing the orbit to spiral outward. A similar effect exists with the Earth and the Moon. However, Jupiter also raises a tidal bulge on Io, and since Io rotates at the same 42 hour period as its orbit around Jupiter, this tidal bulge falls behind,

pulling Io backward in its orbit and causing it to spiral inward. As it turns out, the latter effect predominates for Io, but the former effect dominates for Europa and Ganymede. As a result, the satellites are gradually falling out of resonance. When that happens, Io's orbit will circularize, lessening the effect of the spiraling inward effect and causing it to move outward again. At that point, it could fall back into resonance with Europa and Ganymede, perhaps starting the whole cycle over again.

These two examples are stable. However, there is a chance of a highly unstable resonance. It also involves Jupiter, but the second body is Mercury. Mercury has a modestly eccentric orbit. Jupiter's orbit is also eccentric, but less so. Currently, the lines of apsides of the two planets do not line up. The line of apsides is the line between the perihelion (the closest point in the orbit to the sun) and the aphelion (the furthest point). If the lines were start to align, and the precession of Mercury's orbit makes this a possibility, successive tugs by Jupiter on Mercury would cause Mercury's orbit to get more and more eccentric. If this were to continue, Mercury's orbit would eventually cross that of Venus. If that happens, all bets are off. The chance of a close encounter between Venus and Mercury is quite high, and it is anybody's guess what would happen, up to and including a planet getting thrown in Earth's direction.

It wouldn't even necessarily need to be a direct hit to doom life on Earth. A close enough near miss would result in enough tidal heating of Earth to completely melt the mantle and crust, turning Earth into a world of lava.

The chances of such an event are small; current calculations put it at less than 1%, but when considered over the course of billions of years, such numbers can add up. The problem is that because the orbital interactions are chaotic (in a mathematical sense), no one can predict them with any certainty. All we can do is monitor the situation.

Next time, a new generation of neutrino telescopes.



Addresses

	_			
Dave Anderson	Dennis Cain "Red Dog"	Dale Horsely	Ward Narhi	Bill Scharf "Doge"
20832 Tuck Rd., Site 32	1218 N. 3 rd St.	dale.horsely@yahoo.com	521 Moreley	4814 Walnut Grove Ave.
Farmington Hills, MI 48336	Quincy, IL 62301-1727	Tom Howell "Whippet"	Akron, OH 44320	Rosemead, CA 91770
(248) 473-7482	(217) 223-2284	365 Storm King Road	lurkertv@hotmail.com	(626) 286-4428
ravenclawnerdz@sbcglobal.net	iamthedbear@sbcglobal.net	Port Angeles, WA 98363	(330) 835-4013	bear-hugs@sbcglobal.net
andersond4@michigan.gov	_Forest Cole	off-the-shelf@olympus.net	Cary Nichols	Mike Scott
John Biehl	11210 Montverde Ln	(360) 928-9698	756532-938 South FM1673	4040 E. Piedmont Dr.
8809 Delwood Dr.	Houston, TX 7099	Robert Koehler	Snyder, TX 79549-8812	Space 61
Delta, B.C., Canada V4C 4A1	simply4est@yahoo.com	rkhoeler@triad.rr.com	Walt O'Hara	Highland, CA 92346
jrb@dccnet.com	Simply4est@aol.com	_Andy Lewis "Marmaduke"	hussar@hotmail.com	mikesmag2@jsbcglobal.net
John Boardman	Caleb Cousins	16 Gossling Dr.	Dave Partridge	(909) 864-4343
Unit 508, 5820 Genesis Lane	96 Cedar St. #4	Lewes, DE 19958	15 Woodland Drive	Gina Teh
Frederick, MD 21703-5103	Bangor, ME 04401	Alewis161@hom.com	Brookline NH, 03033	lone_hammy@yahoo.com.sg
Paul Bolduc	(207) 941-8568	(302) 644-1984	rebhuhn@rocketmail.com	Richard Weiss
203 Devon Court	caleb cousins@umit.maine.edu	Michael Longdin	James Pratt	richardweiss@higherquality.net
FWB, FL 32547-3110	Chris Geggus "Davey Boy	michasel.longdin@virgin.net	prattjames1960@yahoo.com	Brendan Whyte
Prbolduc@aol.com	Smith"	Michael Lowrey	Berend Renken	448 Suriyat Road
bolduc@eglin.af.mil	10 Talbrook, Brentwood	6903 Kentucky Derby Drive	P.O. Box 249	Ubon Ratchathani 34000
(850) 863-9081	Essex, CM14 4PY, UK	Charlotte, NC 28215	Roy, WA 98580-0249	Thailand
Jim Burgess	Geggus@sky.com	Mlowrey@infionline.net	berend02@aol.com	obiwonfive@hotmail.com
664 Smith St.	Pasquale Giovine	(704) 569-4269	Paul Risner	Kevin Wilson
Providence, RI 02908-4327	Via Osanna N.2/e	Brad Martin	10325 NW 63rd Dr.	4758 Doncaster Ct.
jfburgess@gmail.com	_I-89127 Reggio Calabria, Italia	180 Peninsula Road	Parkland, FL 33076	Long Grove, IL 60047
Eric Brosius	giovine@unirc.it	_Maylands 6051	goeben@aol.com	ckevinw@comcast.net
53 Bird St.	Dave Hood	Western Australia	Jerry Roalstad	Andrew York "Greyhound"
Needham, MA	dhood@phd-law.com	_Australia	Gerald.roalstad@ang.af.mil	P.O. Box 201117
Public.brosius@comcast.net	Dave Hooton	Westfront@hotmail.com	Bob Robles "Howler"	Austin, TX 78720-1117
	hootond@yahooc.com	Lynn Mercer	67 Tara Rd.	wandrew88@gmail.com
		hancockfc@yahoo.com	Orinda, CA 94563	
			Rlrobles5@comcast.net	
			(510) 254-6354	

Standbys

Anybody who gets onto my standby list automatically receives one free issue of *S.O.B.* In addition, if you actually submit standby orders, you get another free issue. So, let's get those people standing by. The current standby list is:

Machiavelli (gunboat and regular): Steve Koehler, Bill Scharf, Bob Robles, Mike Scott, Ward Narhi, Paul Bolduc, Pasquale Giovine, Andy York, Cary Nichols, Lee McConnell, Dave Partridge, Dale Horsely, Brad Martin Dune: Steve Koehler, Paul Bolduc, Kevin Wilson, Ward Narhi, Andy York, Cary Nichols, Bill Scharf, Dave Partridge, Brad Martin New World: Andy York, Bill Scharf, Cary Nichols, Dave Partridge, Brad Martin Merchant of Venus: Paul Bolduc, Carrie Lewis, Bob Robles, Andy York, Cary Nichols, Dave Partridge Outpost: Michael Lowrey, Kevin Wilson, Andy York, Cary Nichols, Bill Scharf, Dave Partridge, Brad Martin History of the World: Andy Lewis, Paul Bolduc, Kevin Wilson, Chris Geggus, Andy York, Cary Nichols, Dave Partridge, Brad Martin Stellar Conquest: Paul Bolduc, Kevin Wilson, Andy York, Cary Nichols, Bill Scharf, Dave Partridge, Brad Martin Age of Renaissance: Bob Robles, Michael Lowrey, Cary Nichols, Dave Partridge, Michael Longdin, Brad Martin Kremlin: Andy York, Andy Lewis, Pasquale Giovine, Cary Nichols, Bill Scharf, Dave Partridge, Michael Longdin, Brad Martin Silverton: Cary Nichols, Bill Scharf, Dave Partridge, Brad Martin, Andy York, Eric Brosius Settlers of Catan: Michael Lowrey, Chris Geggus, Cary Nichols, Dave Partridge, Brad Martin, Andy York Gunslinger: none Industrial Waste: Michael Longdin, Brad Martin Puerto Rico: Brad Martin, Andy York Power Grid: Brad Martin, Andy York Robo Rally: Andy York

Standby Calls

None this issue!