NAMES: Marty Harris + Jacob Morgan	1 ♣ OPENING			
GENERAL APPROACH 5551. Our own system. Balanced hands w/o 5 a card major open 1. Transfer responses to 1. Many conv. responses. Many rebids by both are transfers.	Expected Min. Length: 5 □ 4 □ 3 □ NF 0-2 ★ Artif. □ Describe: either natural or balanced. Includes all bal. w/o a 5 card major: • Bal.: 11-13 or 12-20 • unbalanced with primary \Rightarrow s (5+) • all 4441s			
Two Over One: GF \Box Other \swarrow (2-level responses are artif., HCP varies) VERY LIGHT: Openings \checkmark Third hand \checkmark Overcalls \Box Preempts \checkmark FORCING OPENING: $1 \oplus \Box$ $2 \oplus \checkmark$ Nat Two bids \Box Other \checkmark (2 \diamond + NAMYATS) Note: All "HCP ranges" are approximate. We often "adjust," more often up.	RESPONSES Strength Description 1 ◆ 0 to 37 Transfer: 4+ ♥. May have longer minor. If GF, always unbal. 1 ◆ 0 to 37 Transfer: 4+ ◆. May have longer minor. If GF, always unbal. 1 ◆ 0 to 13 [•] Artif.: almost all hands < GF w/o 4+ Major. Bal. or unbal.			
NT OPENINGS INT: <u>14 to 17</u> 1st & 2nd seat <u>14+ to 17</u> 3rd & 4th seat 5 card major common: ★ System on over: X and 2★ 2♠: Stayman □ Puppet □ Other ★ relay, forces 2*. three possible hands: • Weak, 5+ * (plan to pass 2*) • GF, at least one 3-4 card major. Many GF types show 4+ ★ and 0-2 *	INT GFNat., balanced or semi-bal. 4 or 5 card Major common. 2 0 to 13°Artif.: 5 \bigstar and 4+ \forall . 2 0-7 or GFTransfer: 5+ \forall . Either a WJS w/ 5+ \forall), or GF w/ 6+ \bigstar . 2 0-7 or GFTransfer: 5+ \bigstar . Either a WJS w/ 5+ \bigstar), or GF w/ 6+ \bigstar . 2 0-7 or GFArtif. unbal., usually both minors (5431 or 6-4 either way) 2NT 0-5 or GFConv. 5-5 in minors. 3 \bigstar GF6+ \bigstar , 0-1 in a M 3M :1-suited w/ 6+ \diamondsuit and 0-1 here.			
 2 ★: Transfer to ♥ □ Forcing Stayman □ Other A <u>either</u> Jacoby Xfr, <u>or</u> GF w/ 4-3 or 3-3 in majors. If 4-3 or 3-3 in majors, usually 4+ ★. 2 ★: Transfer to ★ A <u>If GF</u>, can only have 3 ♥ if also have 3+ ★. 2 ★: Usually quantitative inv. But can be 6+ ★ (GF or bust), <u>or</u> GF 5-5 minors. 2 NT: Invitational with both majors. At least 4-4; can be 5-4 or 5-5. NF 3 ★: GF, 5-3 in majors (either ♥ or ★ can be 5). Also shows 3+ ★ and 0-2 ★. 3 ★: GF, 5-4 in majors (either ♥ or ★ can be 5). 3 M: GF, 6+ ★. Denies a 3 card major, and shows 0-1 cards in the suit bid. 4 ★ / 4♥ Transfer A 4 ★: minimum GF, 5-5 Majors Smolen □ In Comp.: Neg. X A (only of a nat, <u>1-suited</u> 2 ♦ or 2M) Penalty X A (usually) We use our own hybrid mix of Leb (Q-bid denies), Rubensohl, and 3 ★ ("T/O X," inv.) 	I OPENINGExpected Min. Length: $5 \land 4 \square 3 \square$ NF 0-2 \square Artif. \square Describe: always unbal w/ 5+ \blacklozenge . at least a singleton or two doubletons.RESPONSESDouble Raise: Force \square Inv. \square Weak \checkmark After Overcall: Weak \checkmark Forcing Raise: J/S in other minor \square Single raise \square Other \checkmark (2 \bigstar) (\bigstar + \bigstar)Other raises \checkmark 2NT = inv. raise; $3 \bigstar$ = constructive raiseOther Unusual Responses \square IM: nat., 4+. But if GF, must have 6+ M, or 5-5, or 5 M, 3+ \blacklozenge & a singleton.2 \bigstar : Artif. GF. 5 card major common. Covers ALL bal. GFs, + many unbal.2 \bigstar 0 to 12- Conv.; $5 \bigstar$ + 4 \clubsuit . Can be 5-5 if invitational strength.2 \blacktriangledown 0 to 9- Conv.; 5-5 in Majors.			
 2NT: 23 to 25 (need 1 King or 2 Queens for game) 5 card major common: ▲ Puppet Stayman ▲ Jacoby Transfers ▲ Texas ▲ 34: minor suit slam try 3NT: GF (approximately 25+ HCP), balanced, natural 	2C: Strong ★ Other □ Describe: Either: • Balanced: 20+ to 22 HCP; RESPONSES or • Any 6+ card suit: 21+ HCP or 9+ tricks 2*: Neg □ Waiting ★			
MAJOR OPENINGS Expected Min. Length, 1st /2nd: 5 4 □ Structure 3rd /4th: Structure	 2♥: transfer to ♠. either bust or 5-5 GF 2♠: 5-5 w/♥ + a minor, GF 2NT: transfer to ♣. either bust or GF. 3♣: transfer to ♣. bust or GF 2D: Natural, Weak □ Intermediate □ Strong ✓ Conv. ✓ DESCRIBE: 5-5 (or more) in any two suits: 20+ HCP or 9+ tricks RESPONSES: Responder is expected to relay with 2♥ (waiting) 			
Conv. Raise: 2NT A (fit showing) 3NT A (splinter) Splinter A Other raises: A All jumps = fits (if GF shows length, but if inv. it's shortness) 1NT: Forcing □ Semi A Kaplan Inversion over 1♥, so 1♠ switches w/ 1NT Drury A Reverse 2-way □ Fit A Other A: 2♠ = artif. GF: almost all GF hands, including all balanced raises. 1NT / 1♥: 5+ ♠. (exactly 5 ♠ if weak). (can't be inv.). (5+ ♠ & unbal if GF). 2♦: Usually 6+ cards in OM; can be 5 if inv. < GF (0-12 HCP).	 2H: 10 to 15 HCP. Natural, Weak □ Intermediate X Strong □ Conv. X Describe: Flannery. usually 5 ♥, can be 6. exactly 4 ♠. Responses: 2♠ is to play; 3M is preemptive raise; 2NT is artif. asking bid. 2S: 7+ to 11 HCP. Natural, Weak X Intermediate □ Strong □ Conv. □ Responses: 2NT Force X (asks for feature). New Suit NF □ (RONF). 			

SPECIAL DOUBLES	NOTRUMP OVERCALLS	OPENING LEAD vs. NT			
Neg. \blacksquare <u>1S thru 2S</u> (<i>not</i> over 1 \blacklozenge or 1 \heartsuit) • 1m – [1D or 1H] – X (transfer to M) 1D (CE belowed 4.5.4)	Direct: $15 \text{ to } 18$ Systems on A Balancing: $10 \text{ to } 14 / \text{m}$; $12 \text{ to } 16 / \text{M}$	<u>SPOT CARD LEADS vs. NT – Trick 1</u> : Attitude (mot From <u>Lead</u>		odified) <u>Examples</u>	
• $1D - [1H] - 1S (GF, balanced, 4-5 \bullet)$ esponsive X : thru <u>2S</u> Maximal X upport $X \times$ thru <u>2• after 1• opening</u> : JUMP OVERCALL: Strong \Box Intermediate \Box Weak X		High Interest Suits Lowes (5+ cards or HHxx) (5+ cards or HHxx)	st	H,H,x,x,x) H,x,x,x,x	 x, x, x, x, x H,H, x,x
Support $X \neq Und 2 = after 1 = opening. only at 2-level (thru 2PS) after 1 + opening Card-showing M Min. Offshape T/O XOther: Pass-double inversion (X = doubt)$	OPENING PREEMPTS Other 4 Card Su 3/4-bids: Sound □ light A very light □		t in the 6 - 8 range and choice: the 5 d choice (rare): the 4	H,9,7,6) H,8,1)3 H,1)4,2	9,8,7,6) 9,7,6,3 8,7)4,2
SIMPLE OVERCALL 1-level: $7 ext{ to } 17$ HCP (usually) Often 4 cards \Box very light style \Box ADVANCES 1-level: natural, F1R 2-level: transfers (to 2PS = constr. raise)	DEFENSE VS NOTRUMPvsSTRONGWEAK $2 \bigstar + both Majors$ $5 + \heartsuit$ $2 \bigstar + both Majors$ $5 + \bigstar$ $2 \blacktriangledown$ Natural $\heartsuit + \bigstar (competitive)$ $2 \bigstar$ Natural $\bigstar or \blacklozenge (strong)$	3 Card Suits Highe	est spot	H,9,5)2 H(1)2 H(1)5 H(8)7	(8)4,3,2 (9)6,2 (8)6,5 (6)3,2
Jump raise: Forcing \Box Inv. \Box Weak Other: Jump $Q = mixed raise; XX = xfr.$	2NT $\bigstar + \diamond$ X $\forall + \bigstar *$ <i>minors</i> <u>or</u> <i>majors</i> <i>Penalty</i>	Doubletons Highe	est	(H)x	(x)x
OVER OPP'S T/O DOUBLE VS OPENING PREEMPT'S Double Is HONOR LEADS vs. NT – Trick 1: A + K standard, but Q, J, 10 are length-b					
Redouble Implies No Fit X 2NT: Jordan \Box Other X (system on) 1m - X: (we ignore it, play "system on") 1M - X: (transfers, except $2 = GF$ raise) Jump shift: (we ignore the X, system on)	Takeout K thru 3SPenalty \Box Leb 2NT response (modified: $2NT =$ pick-a-minor Leb + modified Rubensohl)Other K: Leaping Michaels	Lead Honors it shows Ace AK (usually) King KQ Queen QJ	<u>Length Promised</u> Any Any 4+ cards	$ \begin{array}{c} \underline{\text{Exam}}\\ & & $	<u>AK x</u> <u>(KQ x</u> (QJ_x x(x))
 SLAM CONVENTIONS 4NT: Blackwood □ RKC □ 1430 (optional to cooperate, sometimes Asking Bids • Last Train sometimes kickback) BLASTorSOR (used after relays to set trump + either signoff or ask for key cards). 		Jack QJ or JT 10 JT or T9	3 or fewer cards 4+ cards		$\begin{array}{c} Q(J)x \\ \hline (J)T x \\ \hline A J(T)x (x) \\ Q(T)9 x (x) \end{array}$
LEADS (circle card led, if not in bold) versus Suits versus Noti	$\overline{\mathbf{X} \times \mathbf{X}}$ $\overline{\mathbf{X} \times \mathbf{X}}$ Upside-down	LATER IN THE HAND: Coded 9s and 10s (0 or 2 higher); other honors Standard. Spot cards: 1 st round of a suit = attitude 2 nd round of a suit = 3 rd best (i.e., original 4th)			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccc} \mathbf{O} \mathbf{J} \mathbf{x} & \text{Count} & \mathbf{P} \\ \mathbf{A} & \mathbf{T} 9 \mathbf{x} & \text{Attitude} & \mathbf{P} \\ \mathbf{Q} & \mathbf{T} 9 & $	SPECIAL CARDING (vs. both Suits & NT) Unusual Third-Hand Play: After a spot card lead <u>at trick 1</u> , third hand often plays a non-standard card from touching honors. At trick 1 (only), vs. both NT and Suits, RHO usually (but not always) plays HIGHEST of touching honors (e.g., K from KQ).			
$T \mathcal{D}_X \qquad J (\overline{1} 9 x (A)) (A) (A) (A) (A) (A) (A) (A) (A) (A$	(1) 9 xFIRST DISCARD D 9(5)xLavinthal \Box D 1 xOdd / Even \Box D T xUpside down Δ				
LENTGH LEADS 4th Best vs SUITS vs N 3rd / 5th Best vs SUITS vs N	OTHER CARDING VT H-M Echo Image: Colspan="2">Image: Colspan="2" Image: Colspan="2"	 H-M Echoes: On your first lead, both defenders echo (high-low = positive) to show our attitude about <i>either</i>: (1) the suit LHO led ("Smith" echo); <u>or</u> (2) the Obvious Shift suit. Which of those two suits each defendant echoes for is determined as follows: <u>RHO</u>: • if his attitude to 1st suit is <u>known</u> (b/t dummy + trick 1): Obvious Shift echo. • if his attitude to the 1st suit is still <u>unknown or ambiguous</u>: Smith echo. <u>LHO</u>: • if he led <u>any honor</u> (vs. suit or NT): Smith echo. • if he led a <u>low spot (2-5) vs. NT</u>, implying interest in this suit: Smith echo. • after <u>all other spot card</u> leads (vs. suit or NT): the same suit as RHO. 			
SPECIAL CAR	DING: PLEASE ASK	• alter <u>all other spot card</u>	$\frac{1}{2}$ reads (vs. suit of 101).	. the sume sure t	