## Legend

An=anchor; $A=$ ask; $C B=$ cuebid; $M=$ major; $m=$ minor; bal=balanced; Sh=Shortage; INV = invitation; R=relayer; RR=relay Responder; RevR=reverse relay;w=with; $\mathrm{N}=$ natural. $\mathrm{FS}=$ fit showing; $\mathrm{St}=$ stopper; $\mathrm{S}=\mathrm{Step} ; \mathrm{H}=\mathrm{HCP}$; TS=trump suit. $M S=$ mid shortage. $S L=5+\& 4$. $L L=55+$.

1. OPENING BIDS

1 st \& $2^{\text {nd }}$
$1\{=15+\mathrm{H}$.
With $<15 \mathrm{H}, 1\}=4+[\& 1[=4+\mathrm{S}$. Use rule of 19 w 5 M \& rule of 20 w no 5 M . Open in longest suit unless $4 \mathrm{M} \& 5 \mathrm{~m}$. W 4M432 or 4M333, open in M with 13-14 \& 1N w 11-12.
1] 6$\} \&$ maybe 4 M or $5-4+\{\&\}, 12-14 \mathrm{H}$ if $5 / 5$
$1 \mathrm{~N} \quad 11-14$ bal. (if 4 M , then $11-12 \mathrm{H}$ ).
2\{ $\quad 6+\{$ and maybe 4M (not 4\})
2\} 6[ or 6], 6-9 H
2[/] 5332 10-12 H
$2 \mathrm{~N} \quad 5\{\& 5\}, 7-10 \mathrm{H}$
$3 N \quad$ Solid suit
3rd \& 4th
$1\{=17+$ else $=<17 \mathrm{H}: 1[=4+[, 1]=4+] .1\}$ is $\}$ s or bal $11-12$. 1 N is (13) $14-16$ in 3 rd . $2\{$ is $5+\{$. With $5\{$ open in a 4 -card $M$. 2$\}$ is 6$\}$ no $M, 2[/ 2]=$ WTB, though liberties can be taken. $2 \mathrm{~N}=55\} \&\{, 9-12 \mathrm{H}$.
2. RESPONSES
2.1 RESPONSESTO $1\{$
$1\}=6+$ QP or 5 QP \& 10 cards. Now R asks w 1 [\& shows w 9-11 QP w 1]->. (R can only show when RR is unlimited.
Eg P-1 $\{-1\}-1$ ] up is GFN.)
1[ = SP: bal / 4441 / 2-suited no 5M / \{ / 5440 sh M
1] = junk - 0-4 H (0-2 QP)
$1 \mathrm{~N}=3-5 \mathrm{QP},\} /[+\mathrm{m} / 5 \mathrm{M} 44$
$2\{=3-5$ QP, $[/]+m$
$2\}=3-5$ QP, $5+]+4[$
$2[=3-5$ QP, $5+[\& 4]$
2] $=2-4 \mathrm{QP}$, ]
$2 \mathrm{~N}=(5) 6+$ QP, 544 w void [ or ] (stop w ]void)
$3\{=$ solid 7-8 suit.
$3\}=6+$ QP 544 void $\}$
$3[=6+$ QP 4540.
3] = 6+ QP 5440
$3 N=6$ QP 4450, $4\{=7$ QP, 4$\}=8$ QP etc.
After $1\left\{\right.$ in $3^{\text {rd }} / 4^{\text {th }}$, QP are minus one. So 1$\}=5+$ QP \& SP is 2-4 QP.
2.3 RESPONSES to 1$\}$ \& 1 [

Step $=$ R, 11+ any (or controlled psych)
$1\}: 1]=4+$ ] F1 (then a strong action is inv).
$1 \mathrm{~N}=\mathrm{NF}$
Raise to $2=3$ trumps, $7-10 \mathrm{HCP}$
$2 N=$ limit raise. Then $3 x=$ sh and $4 X$ is 55 .
Raise to $3=4$ trumps, 6-9 H
In summary, a raise to 2 shows good defence, a raise to 3 shows good trumps and to game shows good shape. 3 N is a game raise in M . Will co-operate in slam try. Now new suit is sh.
Jump shift response is weak \& a double jump shift is a splinter. But jumps to game are TP.
Jump shift respos by PH are FS (5-3) and in comp given the cheaper bid is NF1.

2/1 is F1, N. It shows at least some interest in game.
However, responder's next bid is NF. Eg:
1\}: 2\{, 2\}:2] ]QJxxx [x \}x \{AQxxxx
1[:2\}, 2[:2] ]Kxx [xx \}AJxxx \{Qxx
1\}:2\{, 2[:3\{ ]Kx[x\}Qxx \{AQJxxxx
1[:2\{, 2\}:2NT ]xx [QJxx \}xx \{AKJxx
All continuations are natural, inc $4^{\text {th }}$ suit.
Opener's weakest rebid is rebidding the M. e.g ]Q8654
[K65 \}K4 \{A43 1[:2\{, bid 2], not 3\{.
O's JS is 55 . Double jump is spl. 3m shows 5 (maybe 5-5).
2 N is max with $5+\mathrm{M}$, no 5 m . 3 N is max no 5 .

## Continuations

1. 1\}:2[, 2] =6331 type GT (2N=GT in ]) - step asks for shortage. $3 \mathrm{X}=\mathrm{LSGT} ; 1[: 2], 2 \mathrm{~N}$ is same.
2. 1 N response then 2 N is a strong raise eg 1$\}: 1 \mathrm{~N}, 2\{: 2 \mathrm{~N}$.
2.5. RESPONSES to 1]
3. $1 \mathrm{~N}=\mathrm{F} 1$. Then $\mathrm{S}=\mathrm{R}$.
4. $2\{=5+[$. Now 2$\}$ is $<[\mathrm{Hx}$, else $=$ nat.
5. 2$\}=5+$. Now $2[$ is $<] H x$, else = nat.

Tfr then 2 N is F 1 . Then, $3\{/\} / \mathrm{M}=$ nat $\min .3 \mathrm{OM}=\{\max , 3 \mathrm{~N}$ $=\}$ max.
4. $2[=5+\{.3 \mathrm{M}$ is shortage.
5. 2] = LR in O's long m. (3\{ \& 3\}, 11-12 HCP). Then 2 N sets $\{\max$ (then $3\{$ asks sh, 3$\} /[/]=$ stops), $3\{/\}=\min$, $3[/]$ sets $\}+$ sh. $3 N=$ max sh $\{$ or no sh.
6. $2 N=L R$ in $\}$.
7. $3\{=p / c$
8. 3$\}=3-4\}, 6-9 \mathrm{H}$
9. $3[/] / 4\{/\}$ are NF.

### 2.6 Responding to 1 N

1. $2\{=$ Stayman.
2. 2$\} /[$ = TFR then suit is GF.
3. 2] is NT invite. May have $6 m-3-3-2$. Then $4 m=K B$.
4. 2 N is 55 ms any strength. Then 3 M is sh GT \& raise of $m$ is $K B$.
5. 3 any is TP.
6. Over TFR, w 4 of An, bid dbln $w$ max \& $3 A$ w min.
7. $4\{=$ aces $0-1-2-3.5\{=\mathrm{Ks}$.
8. 4$\} /[=T F R$, then $4 \mathrm{~N}=\mathrm{KC}$
9. 4$]=$ to play
10. $4 \mathrm{~N}=55$ mins, no slam interest.
2.7 RESPONSES to $2\{$
$2\}=R, 2[/] / 3\{/ 3\} /[/]=N F$.
$2 N=F 1$ : $3\{=\min ($ then Stps), 3\}/[/] = Sh, 3N =bal max

### 2.8 RESPONSES to 2$\}$

$2[/] / 3[/ 3] / 4[=\mathrm{p} / \mathrm{c} .3\{/\}=\mathrm{F} 1$.
2 N asks: $3\{/\}=\max [/], 3[/]=\min$, then $4\{$ asks 4 sh .
(4A=none.)

### 2.9 RESPONSES to 2[/]

suit $=T P .2 N=R . J S=T P .4 N T$ is for the minors.
2.10 RESPONSES to 2N (Any 2N showing \{\&\})
$3\{/\}=$ TP. $3[=[$ or GF m; then 3]=[ supp, 3N=no [ supp. 3] =
F1. $4\{/\}=N F .4 N=\operatorname{aces}(6$ ace $-14 / 03 / 2 / 2+\{Q / 2+\} Q / 2+Q Q)$
2.11 RESPONSES to 2N NATURAL
$3\{$ = Stayman. Then $4\{/\}$ is GFN. $(3\{: 3\}, 4 N=N F$. $)$

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$3\} /[=$ TFR (then $4 \mathrm{~N}=\mathrm{NF}$ )
3] = $m$ Stayman - show $m$ only if you want to.
$4\{=$ aces $0-1-2$, then $5\{=\mathrm{Ks}$
$4\} /[=T F R$ (then $4 N=K B$ )
$4 \mathrm{~N}=\mathrm{INV}$

### 2.12 RESPONSES to 3 PREEMPTS

3X=F1. O bids 3N w no supp, rebids suit w 2 no Sh, raises suit w 2 \& Sh, cues Sh w 3. Note 3m:3M, 3N:4m is NF.
$4\{=\mathrm{KB}(4\}$ if P's suit is $)$
$3 \mathrm{M}: 4\}=$ general slam try in P's suit
2.13 RESPONDING to 3N (solid suit)
$4\{=\mathrm{p} / \mathrm{c}, 4\}=$ shortage ask, $4[/]=$ TP.

### 2.14 RESPONSES to 4[/]

$4 N=K B$. Suit seeks CB in suit above. CB w1st, etc.
2.15 RESPONSES to $3^{\text {rd/ }} 4^{\text {th }}$ OPENING

1. $P: 1 \mathrm{M}, 2\{=3$-card Drury.. then 2$\}=$ unsure.
$P: 1 M, 2 N=N$.
Jumps are FS (3-card)
$\mathrm{P}: 1\left[, 1 \mathrm{~N}: 2[, 2]=\right.$ Sh ask. (As in $1^{\text {st/ }} / 2^{\text {nd }}$.)
P:1], $1 \mathrm{~N}: 2$ ], $2 \mathrm{~N}=$ Sh ask. (As in $1^{\text {st }} / 2^{\text {nd }}$.)
After a $3^{\text {rd }} / 4^{\text {th }}$ hand reverse, $3\{$ is strong pref. for $S 1$.
$P: 1\}, 2 N=4\} \& 4\{9-10 \mathrm{H}$
2. $\mathrm{P}: 2\{, 2\}$ is R . O bids $2 \mathrm{M}, 2 \mathrm{~N}=6322$ max, $3\{=\mathrm{min} \mathrm{noM}$, $3\} /[/]=$ Sh and max. $2\{: 2 \mathrm{M}$ implies $\{$ fit. $\mathrm{P}: 2\{: 2 \mathrm{~N}$ asks:3\{=min else = sh \& max.
3. $P: 2\}, 2 N$ asks: 3$\}=$ min else $=$ Sh and max. 2$\}: 2 \mathrm{M}$ implies fit.
4. $\mathrm{P}: 2 \mathrm{M}, 2 \mathrm{~N}=$ good raise in M .
2.16 Rebids after $1\{: 1]$..
$1 \mathrm{~N}=15-20$. Then $2\{=$ Stay. 2$\} /[/] / \mathrm{N}=$ TFRs. Non-accept $=$ natural ( $2 \mathrm{~N}=\mathrm{ms}$ ).
$2\{=$ GF. Then 2$\}=$ bal, $2[/] / 3\{/\}=5+, 2 N=m s$.
$2\} /[/] / 3\{=$ TFR
$2 \mathrm{~N}=21-22 \mathrm{HCP}$ bal.
3\}/[/] = invite.
5. RELAYING TO FIND THE BASIC HAND TYPE
3.1 After $1\{: 1\}$. and $1\{: 1\}$, 1 [..

| 1$]$ | 2 no $]$ or 1 minor |  | 7 |  |
| :--- | :--- | :--- | :--- | :--- |
| 1 N | $\mathrm{Bal} / 44441$ (see 4.3) |  |  |  |
| $2\{$ | $\{\&] /]$ | 7 | $\{\&[/\{$ | 7 |
| 2$\}$ | $\} \&]$ |  | $\} \&[$ |  |
| $2[$ | $[$ | $]$ | $\}$ | $\{$ |
| 2$]$ | $[\&]->$ | $\{\&\}->$ | $\{\&\}->$ | $\{\&[->$ |

3.2 1\}:1[..

| 1$]$ | $4+]$ | 7 |  |
| :--- | :--- | :--- | :--- |
| 1 N | $\mathrm{Bal} / 4[\& 5\} / 3-\mathrm{sh}]$ |  | 7 |
| $2\{$ | $4+[\& 4+\{$ not 44 | 3 -sh m (6) |  |
| 2$\}$ | $5+[\& 4+\}$ | $4432(23)$ | $4[\& 5\}$ |
| $2[$ | $6+[\min$ | $5] \& 6[$ | Bal w 4[ |
| 2$]$ | $6+[\max (G F)->$ | $4] \& 5[->$ | 5332 |
| 2 N |  |  | $3-\mathrm{sh}]$ |

3.3 1[:1]...

| $1 \mathrm{Bal} / 4] \& 5\} / 3-\mathrm{s}$ | 7 |  |
| :--- | :--- | :--- |
| $2\{$ | $4+] \& 4+\{$ not 44 |  |
| 2$\}$ | $5+] \& 4+\}$ | $4] \& 5\}$ |

The system with a bite

| $2[$ | $5+] \& 4+[$ | Bal w 4] |
| :--- | :--- | :--- |
| 2$]$ | $6+] \min$ | 5332 |
| $2 N$ | $6+] \max (\mathrm{GF})->$ | $3-\mathrm{sh}[$ |
| $3\{$ |  | 5404 |
| 3$\}$ |  | 5440 |

### 3.4 1]:1N

$2\{=4+\{\& 4+\}$
$2\}=6\}$ no second suit, min. (Then $2 \mathrm{~N}=\mathrm{F} 1$ as after $2\{: 2 \mathrm{~N}$.)
$2[=4[\& 6+\}$
2] $=4$ ] \& 6+\}
2 N -> 6\} ss max

### 3.5 SEMI POSITIVE responses to $1\{$

Step is relay then new suit is GF; shown suit is NF.
a. $1\{: 1[\ldots$
$1 \mathrm{~N}=15-17$ (maybe 4441). Then $2\{=$ stay (then 3 m is inv) 2$\} /[=T F R$ (may be 4-5(6)). 2]/N/3X as after 1N.
$2\{/\}=$ TFR to $[/]$. Step $=<H x$. Else $=N(2 N=m s)$.
$2[/]=4 \mathrm{M} \& 5+\mathrm{m} ; 2 \mathrm{~N}=\mathrm{ms} ; 3 \mathrm{X}=$ invite
b. $1\{: 1 \mathrm{~N}, 2\{=\mathrm{R}, 2\}=\mathrm{p} / \mathrm{c}, 2[=\mathrm{p} / \mathrm{c}, 2]=\mathrm{NNF}, 2 \mathrm{~N}=[\mathrm{F} 1,3\{/\}=\mathrm{NNF}$
c. $1\{: 2\{, 2\}=R, 2[=p / c, 2]=p / c, 2 N=] F 1,3\{/\} /[=N N F$
d. $1\{: 2\}, 2[=R, 2]=$ to play, $2 N / 3\{/\}=N F$
e. $1\{: 2[, 2]=$ preference, $2 N=R, 3\{/\}=F 1$

## OPENER RELAYS - SP HAND CONTINUES

| $1[$ | $\mathrm{Bal} / 4441 / 2$-suiter no 5M/SS $/ 5 \mathrm{~m} 44$ |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | R |  |  |  |  |
| 1 N | $\mathrm{bal} / 4441$ | $\} /[\& \mathrm{~m} / 5 \mathrm{M} 44$ |  |  |  |
| $2\{$ | $\{$ | R | $[/] \& \mathrm{~m}$ |  |  |
| 2$\}$ | $\{\&\}$ | $[\&\{$ | R | $5+] \&[$ |  |
| $2[$ | $4[\&\}$ | $[\&\}$ | $] \&\{$ | R | $5+[\&]$ |
| 2$]$ | $4] \&\}$ | $\}$ | $[$ | 55 | Pref |
| 2 N | $0445 / 0454$ | $5404 / 4504$ | $] \&\}$ | HS | R |
| $3\{$ | $4045 / 04454$ | $5440 / 4540$ | 7 | 5422 | HS |
| 3$\}$ | 4405 | 0544 |  | 5431 | 4522 |
| $3[$ | 4450 | 5044 |  | 6421 | 4531 |

$3.62\{: 2\}$
$2[=4[, 2]=4], 2 N->=S S$
$3.71\{: 3\{$
3\} asks shape $3[=\mathrm{hs}(5) / 7222 / 8113$; 3] = MS/8131 (then 3 N is R$) ; 3 \mathrm{~N}=7321 ; 4\{=7330 ; 4\}=8221,4[=8311 ; 4]=8320$ \& 0 QP etc. Then QP \& DQB. Look first at TJ.
$3[=$ asks suit (ie you lack A-K-Q in 2 suits). [-]-\{-\}. Then
$S A B: S=2^{\text {nd }}, S+1=1^{\text {st }}$, lowest of $T S / N T=$ neither.
No end signal.
3.11 Summary of showing 3-suiters

1. Responding to $1\{: 4441$ s with bal group. 544 s go thru $1\{: 2 N$ up. Note, after $1\{: 1\}$, you must relay.
2. With 9-14, open in longer $M$ (1\} w 44).
a. 1$\}: 1[, 1]: 1 \mathrm{~N}, 2\{=3-\mathrm{sh} \mathrm{m} .(\operatorname{Not} 5440 / 5404)$
b. 1$\}: 1[, 1 \mathrm{~N}: 2\{, 2 \mathrm{~N}=3$-sh ]
c. $1[: 1], 1 \mathrm{~N}: 2\{, 2 \mathrm{~N}=3-$ sh $[, 3\{=5404,3\}=5440$
3. With SP response to $1\{$ :
a. 4441 goes thru 1 [ then 1 N .
b. $5 \mathrm{M} 44: 1\{: 1 \mathrm{~N}, 2\{: 2 \mathrm{~N}$ up
c. $5 \mathrm{~m} 44: 1\{: 1[, 1]: 2 \mathrm{~N}$ up

## 4. RELAYING TO RESOLVE the BASIC HAND TYPE

 Principles:1. Bal includes all 4333s, 4432s \& 5332s.
2. Show different patterns in order of likeliness.
3. Show equally like patterns in numerical order.
4.1 One-suit template - show suit then...

| 1 | $6322 / 7222$ |  |  | 7 |
| :--- | :--- | :--- | :--- | :--- |
| 2 | High Sh |  | 7 |  |
| 3 | Mid sh | 7 |  | 6223 |
| 4 | 6331 |  | 6133 | 6232 |
| 5 | 7321 | 6313 | 7123 | 6322 |
| 6 | 7330 | 7312 | 7033 | 7222 |
| 7 |  | 7303 |  |  |

4.2 Two-suit template

| 1 | Reversed, if poss | $\downarrow$ |  |
| :--- | :--- | :--- | :--- |
| 2 | 55 if possible |  | 7 |
| 3 | HS | HS |  |
| 4 | 5422 | 4522 | HS |
| 5 | 5431 | 4531 | $56 / 6511$ |
| 6 | 6421 | 4621 | 5521 |
| 7 | 6430 | 4630 | 5530 |
| 8 | 7411 | 4711 | 5620 |
| 9 | 7420 | 4720 | 6520 |

4.3 Balanced template $(4333,4432$ or 5332$)$ or 4441
$1\{: 1\}, 1[: 1 \mathrm{~N} / 1\{: 1[, 1]: 1 \mathrm{~N} / 1\{: 1\}, 1 \mathrm{~N}$

| 2$\}$ | no M | $\urcorner$ |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $2[$ | $4-5[$ bal |  | 7 |  |
| 2$]$ | $4]$ not $4[$ | $\{$ |  | 7 |
| $2 N$ | $5]$ | $\{\&\}$ | $5[$ |  |
| $3\{$ | $[\&]$ | 2353 | $[\&\{$ | $] \&\{$ |
| 3$\}$ | 1444 | 3253 | 2443 | 4243 |
| $3[$ | 4144 | 3352 | 3442 | 4342 |
| 3$]$ | 4414 | 3343 | 3433 | 4333 |
| $3 N$ | 4441 |  |  |  |

### 4.4 Stayman

O bids 2\}: 2[=p/c, 3\{/\}=TP. 2]= R -> o bids 2N=\{, $3\{=\} \&\{, 3\}=2353$, $3[=3253,3]=3352,3 \mathrm{~N}=3343$.
O bids $2[: 3\{/\}=$ TP. 2$]=R$ : $O$ bids $2 N=], 3\{=\{, 3\}=2443,3[=3442$, $3]=3442,3 \mathrm{~N}=3433$.
$O$ bids 2]:3\}=TP, $3\{=R$ : $O$ bids 3$\}=\{, 3[=4243,3]=4342,3 N=4333$.

## 5. RELAY AFTER SHAPE

### 5.1 ZOOMING

If last step is 3[, 3[=base+2 QP up, 3] = base+1, $3 \mathrm{~N}=$ = base.
If last step is 3], 3] = base +1 QP and $3 \mathrm{~N}=$ base QP.
After 3], $4\{=$ QP ask, 4$\}=$ ES \& $4[/] / \mathrm{N} / 5\{=\mathrm{KB}$.
After $3 \mathrm{~N}, 4\{=\mathrm{DCB}, 4\}=\mathrm{ES}, 4[/] / \mathrm{N} / 5\{=\mathrm{KCB}$.
If last step 3$\}$ or lower, no zoom.
After zoom, step = QP if unsure and step +1 is KC etc. If QP sure, step is $D C B, S+1-S+4$ is $K C$ etc.

### 5.2 SHAPE ENDS BY 3NT

$3 N$ is TP and 4$\}$ is END signal. (RR bids 4[ then passes.) Else: $S=Q P$ ask, $S+1$ to $S+4=K B$. But if shape finished by $2 N, S=$ stoppers. $S+1=Q P, S+2$ to $S+5=K B$.

### 5.3 SHAPE ENDS 4\{ up

## S=ES, $\mathrm{S}+1=$ QP ask, $\mathrm{S}+2$ to $\mathrm{S}+5=\mathrm{KC}$.

After QP ask, $S$ starts DCBs \& game is TP. $\mathrm{S}+1$ below game asks max/min. $S=\min$, else $=\max \& D C B s$.

### 5.4 BALANCED BREAKOUT

When RR shows bal (6322/7222 or 5332 or 4432) and you know the suits but not the residual, $S=R, S+1=Q P$ ask, $S+2$ to $S+5=K C$, and 4$\}=E S$. If level $2 N$ or lower, $S=R, S+1=$ stoppers, $\mathrm{S}+2=\mathrm{QPs}, \mathrm{S}+3$ to $\mathrm{S}+6=\mathrm{KC}$ and 4$\}$ is ES .

### 5.5 QP Ask

$A=3, K=2, Q=1$. Don't include stiff kings or queens. Base = 6 for opening bid or $1\{:+\mathrm{ve}$. SP is $3-5$. Passed hand is minus 1 . Subtract 1 for 10 cards and add one if known max.

### 5.6 Denial Cuebids

After QP ask, S=DCBs. Look at suits in order of length; equal length in numerical order. On $1^{\text {st }}$ pass, stop w 0/AKQ. On $2^{\text {nd }}$ pass, look for $2^{\text {nd }}$ hons in $2+$ card suits. Ignore suits where you stopped. Stop wno $2^{\text {nd }}$ hon. On $3^{\text {rd }}$ pass, look at jacks in all $2+$ card suits. Step is $R$ if below $6 N$. On a weak hand, include jacks on $2^{\text {nd }}$ pass. Never look at singletons. (Use KCB instead.)
5.7 Key Card Blackwood (KB) - with 1430 responses Set suits for KCB in length order. Where equal, in game order: $[-]-\{-\}$. But if KB below $3 N, S=m i n$. That is, max 2
$K C s$ no $Q$ and min points. Then $S=K C$, else $=$ Nat.
Eg ...3\}(5431):3], 3N(min) then $4\{=K C B, 4\} /[/]=$ Nat.

### 5.8 SUIT ASKING BIDS (SABs)

After KB, game in TS is TP. Otherwise, $R$ can ask about TQ and the exact A-K-Q holding in all four suits.
Step $1=T Q$ ask.
Step $2=$ SAB in suit 1
Step 3 = SAB in suit 2
Step $4=$ SAB in suit 3
Step $5=$ SAB in TS
There may be less than 5 steps. Steps are removed if the TQ is known or if RR has a void. Look at suits in length order - if equal, in numerical order.
In reply, RR bids the cheaper of TS or NT to say no. Else..

## Responses to Queen ask:

With TQ, bid step. Obviously, not the cheaper of TS/NT.

## Responses to SAB ask:

Step $1=\mathrm{A} / \mathrm{KQ}$
Step $2=\mathrm{Q} / \mathrm{AK}$
Step $3=$ K/AQ
Step 4 = AKQ

## Responses to TS SAB:

Step $1=\mathrm{J} / \mathrm{AK}$
Step $2=\mathrm{K} / \mathrm{AJ}$
Step 3 = A/KJ
Step 4 = AKJ
Given space, R can ask any or all the questions. But once you skip a question you cannot go back. Any bid beyond the TS SAB is to play.
Example 1:

| $R R$ | $R$ |
| :--- | :--- |
| $3[(6331)$ | $4\{-K\{$ on $]$ |
| $4\}(1 / 4)$ | $4[-Q$ ask |

$\begin{array}{ll}\text { 4NT (]Q) } & 5\}- \text { SAB in }\} \\ 5[( \} A / K Q) & 5] \text { is TP }\end{array}$
$5[( \} A / K Q) \quad 5]$ is TP
5 N is SAB in $\{$
$6\{$ is TS SAB
$6\}$ is TP
Example 2:
RR R
3[ (3622) 4\{-KC on [
4\} $(1 / 4) 4[$ is TP
4] is TQ ask
4 N is ] SAB
$5\{$ is \} SAB (co-incidence)
$5\}$ is $\{$ SAB
5 [ is NF (weird)
5] is TS SAB
5 N up is TP
Let's say $R$ chose 5$\}$ and heard $5 N(\{Q / A K)$ - now $6\{$ is $T S$ SAB and 6$\}$ up is TP.

### 5.6 MOVING AFTER A SIGN OFF

If $R$ bids $3 N, 4\{+$ by $R R=Q P$ base +3 . Over ES, 4$]+$ is same. Then $S=D C B s, S+1=$ aces (0-1-2-3), else TP.
Over a suit sign off, bids = cues. $4 \mathrm{~N}=\mathrm{KB}$.
In N after $1\{$, a raise of 3 N to $4 \mathrm{~N}=$ ace over. But if we open 1 \{ and bid to $3 N$ without showing a suit $-4\{$ by an unlimited hand is QP: eg $1\{-(2])-2 N T-3 N T$
$-4\{$. But not here $1\{-(3\})-3[-3 N T-4\{$. RR has [ \& $\{$.
6. OTHER STUFF
6.1 4NT \& asking aces
a. Over an opening bid other than $2[/], 4 \mathrm{~N}$ is 4 -ace $0-1-2-3$ \& 5 N is Ks 0-1-2-3.
b. Otherwise, P bids a suit, 4 N is KB unless he bid 4 m when $Q$ is $K B .1430,5 N=2+$ void, $6\{/\}=1 / 3+$ void. Then $S=T Q$-ask. TS/NT=no TQ, else $=Q+C B .4 N-5 N=K s$ (specific).
c. Over a NNT bid, $4 N$ is $N$ and $4\{/ 5\{$ is aces (0-1-2-3).
d. P has bid no suit, 4 N is $\mathrm{T} / \mathrm{O}$

### 6.2 BREAKING RELAY

1. After $1\{: 1\}, 1 \mathrm{~N} / 1\{: 1[, 1]: 1 \mathrm{~N} /$ (when $2\{$ would be relay) R bids 2$\}$ to say I want to bid 3N. RR's 2[/ ]/ NT / 3\{= $4441,3\}=$ Stay, $3[/]=5,3 N=n o$ major. Note, that after $1\{: 1\}, 1[: 1 \mathrm{~N}$, it is expected that $R$ will complete shape.
You are in the $18+$ QP range and RR is unlimited. Note also that $P: 1\{, 1\}: 1 \mathrm{~N}$ is GFN. (You can only reverse the relay opposite an unlimited hand.) Now 2 X is N (No TRF in GF) and $3\{=$ Stayman.
2. After limited opener and relay, a new suit by RR is GFN (except 1\}:1[, X:2]). But relay then opener's suit or NT is NF. Eg:
1\}:1[, 1]:2[ ]Axx [KQx \}Qxxxx \{xx Suggesting a bal hand, else show long suit first.
1[:1], 2\{:2N ]xx [AQxx \}KQxx \{Qxx. Suggests no 5 carder else $u$ would show it first.
$1\{: 1[, 1]: 2\{, 2[\quad] \times[A K J x x x\} A K x x\{J x$. GFN
1\}:1[, 1]:2\} ]Kxx [x \}AKJxxx \{Kxx. GFN
3. In GFR, non-step before shape is complete is natural except Balanced Breakout (see 5.4).

### 6.3 STOPPERS

If oppo bid 2 suits, we show Sts.

### 6.4 Forcing sequences

If we open $1\{$ and oppo bid 5 X on first round, it is forcing.

## 7.WE OPEN - THEY BID

General: Ignore doubles out of relay (xcpt dbl of 1\{).
Dbl in relay: rdb is TP (no matter how silly), pass is $S 1$ etc.
Rdbl non relay is pen suggestion (xcpt $1\{, x, x x$ ). Nat conts.

### 7.1 WE OPEN $1\{$

1. They dbl: pass $=0-4, x x=1\}, 1\}=1[, 1[=1 N, 1]=2\{$ etc.
2. They ocall 1$\}$ : $\mathrm{dbl}=1\}$ (the only time you can relay after they ocall) $1[=1[, 1]=1 \mathrm{~N}$. Eg: $1\{(1\}) 1 \mathrm{~N}: 2\{=\mathrm{R}, 2\}=\}, 2[$ $=\mathrm{pc}, 2]=\mathrm{pc}, 2 \mathrm{~N}=], 3\{=\{$.
3. They overcall $1[-2\{$ :
a. $1 \mathrm{~N}=6-9$ bal, then responses as after 1 N opener.
b. Suit is GFN. But step is 6-9 TO of a shown suit F1. (2\{ over 1].)
c. Jumps = weak
d. CB is Micheals. 5+ at 2-level; 8+ at 3-level.
e. $2 N$ is 55 low unbid suits. $5+$ HCP.
f. Dbl of $1[-2\{$ is $9+$ bal (maybe 4441 ) no 5 cM . Then $Q=$ no 5 cs and no stopper.
g. If 1 N ocall shows $\mathrm{ms}, 2\{/\}=[/]$ good \& $2[/]$ are weak. If 1 N is strong, only 2 N is F .
h. After $1\{-p-1\}$-bid - all N. Dbl is $P$, pass is bal.
4. They overcall 2$\} /[/]$
a. Dbl is $6+\mathrm{T} / \mathrm{O}$. Then non-jump by O is NF but 3 over 3 is GF... $1\{(2) \mathrm{X}(3) 3]$. Jumps =GF. Dbl then bid is weak.
b. $2 N$ is GFN.
c. $Q=$ Michaels.
5. They ocall 2 N up. Any action is GF. 4 N is $\mathrm{ms}, \mathrm{Q}=$ Michs
7.2 We open $1\{$ and give SP, they $x, x x$ is Penalty interest, else as before.
7.3 We open 1$\} /[/]$
6. They $x$, $x x$ is pen interest ( $F$ to $2 M$ ) - else as before though $2 / 1$ is now NF.
7. $\quad \mathrm{Dbl}$ of 1 or 2 then bid is weak. 1$\}(2) X(P) 2[(P) 2]$ is say - $\mathrm{AJxxxx}, \mathrm{x}, \mathrm{QJxx}, \mathrm{xx}$. Dbl of a game overcall is cards - penalty dbl wout trumps.
8. Jumps are FS (in competition) - dbl jumps are SPL. Exception: jump response to ocall is F1 if simple bid NF and dble jump is FS.
9. CB is good raise to next level+
10. After UN2N $3\{/\}=\operatorname{good} w[/ S ; 3[/]=\mathrm{NF}$. Dbl $=3-$ card raise, then all dbls = pens. O's dble is T/O.
11. They Michaels $-\mathrm{Dbl}=3$-card raise, then $\mathrm{dbl}=$ pens (fit estd). CB = good raise. New m is F1. Pass then $\mathrm{dbl}=$ pens. O's dbl is T/O.
12. They overcall responder $-\mathrm{dbl} / \mathrm{rdbl}$ is support.
13. They ocall 1] w 1 NT , then $2\{/ 3\{=\mathrm{p} / \mathrm{c}$ $1\} /[(1 N) 2\{/\}=$ bid $m$ with $O M$.
14. $1\{(P) 1],(P) 1 N(X)-$ as in 7.4.1.
7.4 We open or overcall 1 N
15. They dbl, $X X$ says $2+$ places to play.
16. They ocall $2 X$ (w An) - suit is $N F$; jump $=F ; X$ is T/O...then suit $=F ; 2 N=$ nat. $C B=$ Michaels. They ocall $3, X=T / O$, suit $=G F$.
17. They ocall (no An) - dbl is cards - next dbl is T/O next dble is $P$ (CTP).
18. They dbl a TRF, rdbl is good in your M (not TP).

### 7.5 We open at the 2-level - they overcall

After $2\{/[/]$, dbl is T/O.
After 2\} dbl is pen. Except 2$\}$ (multi) 2 M Dbl is $\mathrm{p} / \mathrm{c}$.

### 7.6 When is it GF?

GF exists after $1\{: 1\}$ or after other openings when $R$ relays in knowledge of RR's basic hand type: 1-2-3 suited or Bal.
Relay then new suit is GF.
7.7 WE RELAY - THEY BID

1. If they dbl, pass by $R$ is relay; pass by $R R$ is $S 1$, bringing the level -1 . $x x$ either side is TP. $(1\{-p-1\}-X$ : $x x=T P, P=1[, 1[=1]$ etc.) If $R R$ rdbls, $R$ can continue so long as level is not +3 . Then it reverts to natural.
2. If they call rather than dbl, relay is off. Then a new suit by RR creates GF, if not already in place.
3. Dbl is P in $\mathrm{GF}, \mathrm{T} / \mathrm{O}$ if not GF .
4. If they double in DCB or KB: pass is S1
5. If they bid in KB / established relay: P0D1.

## 8. WE DOUBLE

### 8.1 In General

1. TOD then CB suggests $16+\mathrm{H}$ w 3 supp - does not promise a rebid.
2. Non jump Response to $\mathrm{TOD}=0-8$, jump $=9-11$, $\mathrm{CB}=\mathrm{F} 1$. Jumps in competition are preemptive.
3. Dbls of $3-4$ openings may be shapely $8+\mathrm{H}$.
4. W a fit, dbl is pens at 3 level up; T/O at 2-level.
5. One penalty dbl (not points Dbl) - all PDs.
6. T/O dbl means no clear alternative.
7. Unclear dbls at 2 level are T/O but 3 is pens.
8. If they bid P's suit TP, dbl is T/O. Eg 1\} (p) 1] (2]) dbl is T/O if 2] is TP, else it shows a 2] bid.
9. Dbl of an artificial bid. If we have shown no suit, dbl is T/O of any suit they have shown unless they are committed to game. If they are committed to game or we have shown a suit, dbl says I would have bid that. If dblr has bid the suit, it says lead something else.
10. A preemptor who dbls is for the lead.
11. If they redbl, pass is $P$ if level is $1 N$ up.
8.2 Partner doubles their 2M opening

If Respo could be interested in game...a direct suit is NF. 4 N is aces (0-1-2-3).
W 9+H, Respo bids 2N. Dblr bids:
$3\{/\}=$ Nat. $\min \ldots$ then $3[$ up $=F$
If their M is $[.$.
$3[=16+$, no 4], GF... 3] asks for St
3] = 16+, 4], no [ St, GF; 3N = 16+, 4], w [St
$4 \mathrm{~N}=20+, 4]$, [ St
If their M is ]...
$3[=16+4[$, GF ... 3] asks for St
3] = 16+, no 4[, no ] St, GF; 3N = 16+, no 4[ w ]St
$4 \mathrm{~N}=20+$, no $4[]$,
If very weak, $2 N$ =you choose. $\mathrm{Eg}: 1\{(\mathrm{X}) \mathrm{P}(2[) \mathrm{X}(\mathrm{P}) 2 \mathrm{~N}$.

### 8.3 Later doubles

a. In a GF auction, dbl is pen
$1\{3\} \times 4\}$
$X=$ penalty - since dbl of 3$\}$ is GF. Pass would be F -
say: AJx, KQxx, xx, AQxx.
1\{ 3[ $X$ 4[
$\mathrm{P} \quad \mathrm{P} \quad \mathrm{X}=$ penalty. Say KQxx, Qx, Axxx, Jxx.
Bid w KQxx, x, AJxxx, xxx. Partner's pass gave you the choice - w stiff heart you would play.
1\{ 3[ 3] 4[
Pass = F. So after pass, pass, bid $5\{$ w AJxxx, $x, x x$, KQxxx but after X you would pass.
In a GF auction, pass then pull = slam try.

## 9. THEY OPEN

### 9.1 SUIT OVERCALLS

New suit by Respo is F at 1 -level - else NF. Jump shift is F1. Jump raise $=6-9$.
RHO raise to $2-\mathrm{dbl}$ is $\mathrm{T} / \mathrm{O} ; 2 \mathrm{~N}=\mathrm{Q}$-raise if Q suit n.a.
RHO bids at 3-4 level - dble is bal raise
(1\}) 1] (3\}) $X$ = some fit+points - passable.
Overcalling \& rebidding suit on your own (not balancing)
shows solid.
JumpOcalls = 7-10, +2 for vul, +2 for passed partner, +2 for 3 -level. COS by Respo is F1. Dbl JOs = 7/8 PTs.
$(1 \mathrm{X})-\mathrm{P}-(1 \mathrm{Y})-2 \mathrm{Y}$ is $\mathrm{N} \& 2 \mathrm{X}$ is Mich if $\mathrm{X}=3+$.
9.2 MICHAELS CUE BIDS (0-20 H)
(1m) $2 \mathrm{~m}=55 \mathrm{Ms}$; (1M) $2 \mathrm{M}=55 \mathrm{M}$ \& m . (2m) $3 \mathrm{~m}=55 \mathrm{Ms}$.
( $2 \mathrm{M}-3 \mathrm{M}$ see 9.7 ). Over $1\{<3,2\{$ is $\mathrm{N} \& 2\}$ is Michaels.
9.2 a WHEN PARTNER SHOWS $5 \mathrm{M}+5$ of unknown m

Cue = raise to 3 of M . eg (1[) 2[ (p) 3 [ = strong 3] bid. 4 N asks for $m \& 5 m$ is TP. $2 N$ asks for $m \&$ has interest. O bids $3\{/\}=\min .3[=\{\max , 3]=\}$ max. Then 4 of bid $m=K C B$ and $4 N$ is $K B$ in $M \& 5 m$ is TP. $2 N$ then any is $G F .3\{=p c$.

### 9.3 1N OVERCALL

1 N is $15-18$. Respond as to a 1 N opening (w relay).
In sandwich seat, 1 N is N - usual responses.

### 9.4 THEY OPEN 1N

Dbl of WN by non-passed hand = cards. Dbl of SN or by passed hand $=5+m$ \& 4 M then $2\{/\} /[=\mathrm{p} / \mathrm{c}$
$2\{=[+] .2\}$ asks 4 longer.
$2\}=[$ or $]$. As after 2\} opener. (2.8)
$2[/]=M+m .2[: 2]=N F, 3\{=p / c, 3 M=T P, 3\}=G T$ in $M .4\{/\}$
$=$ SPL. $2 \mathrm{~N}=$ asks: $3\{/\}=\mathrm{N}$ min, $3[/]=\max .2 \mathrm{~N}$ then all is GF .
9.5 THEY OPEN 1 \{ strong
$\mathrm{Dbl}=$ good hand. Then 1 N is F1. Else $=\mathrm{NF}$.
1 N in response to our ocall is strong.
9.6 THEY OPEN A MULTI 2
$X=13-15 \mathrm{bal} / 19+$ bal or $16+$ unbal... then $\mathrm{dbl}=\mathrm{T} / \mathrm{O}$. $2[/] / 3\{/\}=11-15 \mathrm{H} .2 \mathrm{~N}=15-18.4\{/\}=$ Bid $m+[$.
The same applies after 2$\}-\mathrm{P}-2[/]$. After 2$\}$-dbl-2[/], dbl is T/O, suits are $N, 2 N$ is $Q$.

### 9.7 THEY OPEN WT major

$2 N=15-18.4\{/\}=5-5$ in bid suit \& OM. CB asks St.

### 9.8 THEY OPEN 3

$3 N$ is to play. Then $4\{$ asks...4\}=long suit; $4[=21+; 4]=18-$
$20 ; 4 \mathrm{~N}=15-17.4 \mathrm{~N}=$ aces $(0-1-2-3) .4\} /[=$ TFR. TFR to
their suit = next suit in game order rotation. EG (3[) $3 \mathrm{~N}(\mathrm{p})$ $4\}=], 4[=\{, 4]=\}$. Then 4 N is NF.
NLM - Over 3[/]: $4\{/\}=55$ in bid suit plus unbid major.
9.9 BIDDING IN THE PASSOUT

1 N is $11-14 \mathrm{H}$. Then $\mathrm{CB}=$ Stay, else $=$ NNF.
Jump overcall $=11-15$. Jump to $2 N=19-20$ (21) Respond as in 9.10. Simple $2 \mathrm{~N}=12 / 13-15$ bal. Respond as 9.10 .
9.10 WE CALL 2NT, effectively as our opening bid, so without us showing a suit.
They did not show a M: $3\{=$ sty, 3$\}=[, 3[=], 3]=\{$.
They showed $]: 3\{=\}, 3\}=[, 3[=\{, 3]=$ stayman
They showed $[: 3\{=\}, 3\}=], 3[=\{, 3]=$ stayman
10 LEADS \& signals
$v$ suits (or in any suit bid or inferred by partner) - 3rd from even, low from odd. ( $2^{\text {nd }}$ from 4 weak.)
$v$ NT $-2^{\text {nd }}-4^{\text {th }}$ and MUD.
Give count unless it is clear that the lead is from a short suit. Often give att on K leads. At 5 \& 6 levels, ace lead always asks for att.
Normal present count and att ( $2^{\text {nd }}$ highest $w$ even).

