after an irrigation. This adjusted SAR—expressed as Adj. SAR—reflects the water content of calcium, magnesium, sodium and bicarbonate, as well as its total salinity.

The pH of irrigation water is seldom a direct problem by itself, but a pH outside the normal range is a good indicator of an abnormal water situation. Very high or very low pHs are warnings that the water needs further evaluation for other constituents. (The use of pH in evaluating water quality is analogous to the use of body temperature when diagnosing an ill individual; just as abnormal temperatures indicate an illness but do not specify its nature, abnormal pHs indicate a problem of some kind exists.) The desirable soil pH range for turfgrasses is 5.5 to 6.5. The desirable irrigation water pH, however, ranges from 6.5 to 8.4.

Turfgrasses grow in a very complex turf-soil-water system and not is soil or irrigation water alone. Turfgrass problems associated

### PASI TiEM P O GOLF RESULTS

#### Low Gross

<table>
<thead>
<tr>
<th>Player</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>P. Terry</td>
<td>75</td>
</tr>
<tr>
<td>R. Brownlie</td>
<td>80</td>
</tr>
<tr>
<td>J. McCarron</td>
<td>81</td>
</tr>
<tr>
<td>M. Phillips</td>
<td>81</td>
</tr>
</tbody>
</table>

#### Low Net

<table>
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<tr>
<th>Player</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Frasier</td>
<td>73</td>
</tr>
<tr>
<td>G. Singh</td>
<td>73</td>
</tr>
<tr>
<td>C. Weatherton, Jr.</td>
<td>73</td>
</tr>
</tbody>
</table>

### CHILD CARE COOPERATIVE

Those NorCal members planning to attend the 1993 GCSAA conference in Anaheim with their families are invited to take part in a child care coop. This idea surfaced around dinner one evening in New Orleans last year and I would like to follow it through.

This attempt is to allow members and their spouses the freedom to go out for a quiet (childless) evening once or twice while still having the kids with you for your stay in Anaheim. Ideally I can pair small groups, say 3, 4, or 5 children together so there won't be a burden to the various hotels. If you wish to join this group you should expect to do your share watching some other children.

Please call me at 510-653-6789 ext. 118 if you wish to join this Freedom Group. I will attempt to group kids by ages and hotels if possible.

Randy Gai

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