```
      ------------------------------------------------------------------------
      --        Rifle Club Management System                                --
      --        Database Tables                                             --
      ------------------------------------------------------------------------
 5

      ------------------------------------------------------------------------
      --- year is one of :
      --        'JF','SF','JS','SS','PG','Staff','Faculty',
      --        'Alumni', 'Honorary','Other','unknown'
10
      CREATE TABLE members
      (
      durc_id INT4 NOT NULL PRIMARY KEY,
      surname TEXT NOT NULL DEFAULT '',
15    name TEXT NOT NULL DEFAULT '',
      email TEXT DEFAULT '',
      gender CHAR(1),
      date_of_birth DATE,
      course TEXT,
20    year VARCHAR(8),
      eye_dominance CHAR(1),
      handedness CHAR(1),
      pref_air_rifle TEXT,
      pref_free_rifle TEXT,
25    pref_sporter_rifle TEXT,
      pref_jacket TEXT,
      pref_sling TEXT,
      sling_stop TEXT,
      handstop TEXT,
30    cheekpiece TEXT,
      buttplate_setting TEXT,
      air_class CHAR(1),
      air_novice BOOL DEFAULT TRUE,
      air_colors_novice BOOL DEFAULT TRUE,
35    free_class CHAR(1),
      free_novice BOOL DEFAULT TRUE,
      progress_safetybriefing BOOL DEFAULT FALSE,
      progress_safetybriefing_instructor TEXT NOT NULL DEFAULT 'none',
      progress_safetybriefing_date DATE,
40    progress_blocks BOOL DEFAULT FALSE,
      progress_sling BOOL DEFAULT FALSE,
      progress_laddercards BOOL DEFAULT FALSE,
      notes TEXT,
      notes_file TEXT
45    );


      ------------------------------------------------------------------------
      -- Type is one of 'Term','Home','Mobile','Work','other'
      CREATE TABLE members_phone
50    (
      durc_id INT4 NOT NULL PRIMARY KEY,
      phone_type VARCHAR(6),
      phone_number TEXT NOT NULL
      );
55
      ------------------------------------------------------------------------
      -- Type is one of 'Home','Term','Work','other'
      CREATE TABLE members_address
      (
60    durc_id INT4 NOT NULL PRIMARY KEY,
      address_type VARCHAR(5),
      address TEXT
      );

65    ------------------------------------------------------------------------
      CREATE TABLE members_photo
      (
      durc_id INT4 NOT NULL PRIMARY KEY,
      photo_filename TEXT
70    );
```

```
        -----------------------------------------------------------------------
        -- One of these tables per discipline tracked to prevent having to use
        -- an ENUM with all the various disciplines. This way, we can add a
 75     -- club discipline and not have to ALTER TABLEs.
        -----------------------------------------------------------------------
        -- CREATE TABLE members_scores
        -- (
        -- durc_id INT4 NOT NULL PRIMARY KEY,
 80     -- score_date DATE,
        -- witness_RO INT4  NOT NULL,
        -- score INT4  NOT NULL,
        -- notes TEXT
        -- );
 85

        -----------------------------------------------------------------------
        CREATE TABLE members_scores_air_10m
        (
        durc_id INT4 NOT NULL PRIMARY KEY,
 90     score_date DATE,
        witness_RO INT4  NOT NULL,
        score INT4  NOT NULL,
        notes TEXT
        );
 95

        -----------------------------------------------------------------------
        CREATE TABLE members_scores_free_25yd_indoor
        (
        durc_id INT4 NOT NULL PRIMARY KEY,
100     score_date DATE,
        witness_RO INT4  NOT NULL,
        score INT4  NOT NULL,
        notes TEXT
        );
105

        -----------------------------------------------------------------------
        CREATE TABLE members_scores_free_50m
        (
        durc_id INT4 NOT NULL PRIMARY KEY,
110     score_date DATE,
        witness_RO INT4  NOT NULL,
        score INT4  NOT NULL,
        notes TEXT
        );
115

        -----------------------------------------------------------------------
        CREATE TABLE members_scores_free_50m_3P
        (
        durc_id INT4 NOT NULL PRIMARY KEY,
120     score_date DATE,
        witness_RO INT4  NOT NULL,
        score INT4  NOT NULL,
        notes TEXT
        );
125

        -----------------------------------------------------------------------
        -- Anyone got any better ideas 'bout storing sporter scores ?
        -- Has anyone got a better idea about actually keeping them ?
        -- What if we start attending competitions ?
130     -----------------------------------------------------------------------
        CREATE TABLE members_scores_sporter_25yd_indoor_3P
        (
        durc_id INT4 NOT NULL PRIMARY KEY,
        score_date DATE,
135     witness_RO INT4  NOT NULL,
        score INT4  NOT NULL,
        notes TEXT
        );

140     -----------------------------------------------------------------------
```

```
      CREATE TABLE members_no_shows
      (
      durc_id INT4 NOT NULL PRIMARY KEY,
      noshow_date DATE NOT NULL,
145   detail_no INT2    NOT NULL,
      witness_RO INT4     NOT NULL,
      apology BOOL DEFAULT FALSE,
      apology_date DATE,
      apology_RO INT4
150   );


      ------------------------------------------------------------------------
      -- id_type is one of 'Student','DUCAC','Honorary','Other'
      ------------------------------------------------------------------------
155   CREATE TABLE members_ids
      (
      durc_id INT4 NOT NULL PRIMARY KEY,
      id_type TEXT,
      id_number TEXT,
160   witness_RO INT4   ,
      witness_date DATE
      );


      ------------------------------------------------------------------------
165   -- As for members_scores, several tables track different ammo types
      ------------------------------------------------------------------------
      -- CREATE TABLE members_ammo_usage
      -- (
      -- durc_id INT4 NOT NULL PRIMARY KEY,
170   -- date DATE NOT NULL,
      -- detail_no INT2    NOT NULL,
      -- amount_issued INT4    NOT NULL,
      -- amount_used INT4    NOT NULL,
      -- issued_by_RO INT4     NOT NULL
175   -- );
      ------------------------------------------------------------------------


      ------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_air_sport
180   (
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
185   amount_used INT4    NOT NULL,
      issued_by_RO INT4     NOT NULL
      );
      ------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_air_finalematch
190   (
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
195   amount_used INT4    NOT NULL,
      issued_by_RO INT4     NOT NULL
      );
      ------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_winchester_T22
200   (
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
205   amount_used INT4    NOT NULL,
      issued_by_RO INT4     NOT NULL
      );
      ------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_eley_standard
210   (
```

```
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
215   amount_used INT4    NOT NULL,
      issued_by_RO INT4    NOT NULL
      );
      -------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_eley_club
220   (
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
225   amount_used INT4    NOT NULL,
      issued_by_RO INT4    NOT NULL
      );
      -------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_eley_match
230   (
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
235   amount_used INT4    NOT NULL,
      issued_by_RO INT4    NOT NULL
      );
      -------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_eley_tenex
240   (
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
245   amount_used INT4    NOT NULL,
      issued_by_RO INT4    NOT NULL
      );
      -------------------------------------------------------------------------
      CREATE TABLE members_ammo_usage_lapua_master
250   (
      durc_id INT4 NOT NULL PRIMARY KEY,
      detail_date DATE NOT NULL,
      detail_no INT2    NOT NULL,
      amount_issued INT4    NOT NULL,
255   amount_used INT4    NOT NULL,
      issued_by_RO INT4    NOT NULL
      );


      -------------------------------------------------------------------------
260   -- discipline is one of "Air","Free","Sporter","Event",
      --                      "Competition","No Shooting"
      CREATE TABLE duty_roster
      (
      roster_date DATE NOT NULL,
265   discipline TEXT,
      primary_RO INT4    NOT NULL,
      secondary_RO INT4    NOT NULL,
      TRO INT4    NOT NULL,
      alternate_RO INT4    NOT NULL
270   );


      -------------------------------------------------------------------------
      CREATE TABLE detail
      (
275   detail_date DATE NOT NULL PRIMARY KEY,
      detail_no INT2 NOT NULL,
      firing_point INT2 NOT NULL,
      durc_id INT4 NOT NULL,
      confirmed BOOL NOT NULL DEFAULT FALSE
280   );
```

```
      -------------------------------------------------------------------
      CREATE TABLE event
      (
285   event_date DATE NOT NULL PRIMARY KEY,
      event TEXT
      );


      -------------------------------------------------------------------
290   CREATE TABLE competition
      (
      competition_date DATE NOT NULL,
      competition_name TEXT NOT NULL,
      competition_discipline TEXT,
295   firing_points_per_detail INT2,
      detail_length TIME,
      start_time TIME
      );
```