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

-----------------------------------------------------------------------
--- year is one of :
--      'JF','SF','JS','SS','PG','Staff','Faculty',
--      'Alumni', 'Honorary','Other','unknown'

CREATE TABLE members
(
durc_id INT4 NOT NULL PRIMARY KEY,
surname TEXT NOT NULL DEFAULT '',
name TEXT NOT NULL DEFAULT '',
email TEXT DEFAULT '',
gender CHAR(1),
date_of_birth DATE,
course TEXT,
year VARCHAR(8),
eye_dominance CHAR(1),
handedness CHAR(1),
pref_air_rifle TEXT,
pref_free_rifle TEXT,
pref_sporter_rifle TEXT,
pref_jacket TEXT,
pref_sling TEXT,
sling_stop TEXT,
handstop TEXT,
cheekpiece TEXT,
buttplate_setting TEXT,
air_class CHAR(1),
air_novice BOOL DEFAULT TRUE,
air_colors_novice BOOL DEFAULT TRUE,
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,
progress_blocks BOOL DEFAULT FALSE,
progress_sling BOOL DEFAULT FALSE,
progress_laddercards BOOL DEFAULT FALSE,
notes TEXT,
notes_file TEXT
);

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

------------------------------------------------------------------------
-- Type is one of 'Home','Term','Work','other'
CREATE TABLE members_address
(
durc_id INT4 NOT NULL PRIMARY KEY,
address_type VARCHAR(5),
address TEXT
);

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

```
-----------------------------------------------------------------------
-- 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
-- club discipline and not have to ALTER TABLEs.
-----------------------------------------------------------------------
-- CREATE TABLE members_scores
-- (
-- durc_id INT4 NOT NULL PRIMARY KEY,
-- score_date DATE,
-- witness_RO INT4  NOT NULL,
-- score INT4  NOT NULL,
-- notes TEXT
-- );

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

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

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

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

-----------------------------------------------------------------------
-- 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 ?
-----------------------------------------------------------------------
CREATE TABLE members_scores_sporter_25yd_indoor_3P
(
durc_id INT4 NOT NULL PRIMARY KEY,
score_date DATE,
witness_RO INT4  NOT NULL,
score INT4  NOT NULL,
notes TEXT
);

-----------------------------------------------------------------------
```

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

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

-----------------------------------------------------------------------
-- As for members_scores, several tables track different ammo types
-----------------------------------------------------------------------
-- CREATE TABLE members_ammo_usage
-- (
-- durc_id INT4 NOT NULL PRIMARY KEY,
-- 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
-- );
-----------------------------------------------------------------------

-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_air_sport
(
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);
-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_air_finalematch
(
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);
-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_winchester_T22
(
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);
-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_eley_standard
(
```

```
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);
-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_eley_club
(
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);
-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_eley_match
(
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);
-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_eley_tenex
(
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);
-----------------------------------------------------------------------
CREATE TABLE members_ammo_usage_lapua_master
(
durc_id INT4 NOT NULL PRIMARY KEY,
detail_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
);

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

-----------------------------------------------------------------------
CREATE TABLE detail
(
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
);
```

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

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