

BIAB v7.0.5 - 5 March 2010

This is a very minor revision of BIAB.

Changed the way that BIAB creates results, so that, if you happen to create two different competitions that have identical names, you can still create separate results, rather than having the results of those two competition intermixed. This will have no affect upon most users.

Added to the description of the Trails, a field for Height Difference on each trail.

Changed the Final Results Cover Sheet to provide a bilingual presentation and to better reflect the information required in the IBU rules and current practise.

BIAB v7.0.4 – 27 January 2010

This is a minor revision of BIAB.

Added options when dealing with Unqualified Entries in Pursuit Competitions. BIAB now clearly distinguishes between allowing entry into Pursuit Competitions for Competitors who have not completed the Qualifying Competition, and whether such Unqualified entries should be treated as 'unofficial' entries with no status, or to allow full status to such entries. The ToolTips associated with these choices have been updated, to provide better guidance. Finally, you can now, from the Form View in the Competition File, declare any Pursuit Competitor to be "Official" or "<unofficial>". This last capability allows you to deal properly with last minute entries that might be added to the Competition File after the Draw.

Changed the scripts used to process Finish Times entered from the keyboard, so that data will be properly accepted from both English and French (Canada) system settings on the host computer. This means that either the comma (",") or the period (".") can be used to represent the decimal point in Finish Times that are entered through the keyboard or a keypad.

Changed the Agenda-for-the-Team-Captains'-Meeting capability so that you can now produce the Agenda in your choice of English or French.

Changed the Daily Activities Poster so that it can now be produced in both French and English. In association with this made a number of cosmetic changes and added new fields for French text to the form views of the Main File>Enter Data>Dates.

Changed, in Main File>Enter Data>Dates the buttons that facilitate copying data, such as the names of Jury Members, from one record to another. Now there is one button per page that will replicate all the fields that appear in the tabbed portion of the screen.

Added an option, when working with a Network of Summit Timers, that gives you options when using one of the timers to enter Penalty Loop data. You can now enter the Bib Number, a space, and the Number of Loops that were skied, or use the existing option in which the Bib Number of each competitor is entered every time that he/she passes the observation point on the Penalty Loop. The new option makes Penalty Loop entry almost the same as the entry of shooting results.

Added a new form that can be used to consolidate the data from the Recording Teams on the Penalty Loop.

Corrected the routine from processing data from a single Summit Timer so that the software properly counts and displays the number of records that have been received from the timer. This was a cosmetic issue that only affected users of single Summit Timers.

Corrected a minor issue with the resetting of the identification of the Timer Device for a single Summit Timer. The software now always expects that timer to be Device #1.

Corrected a minor problem with display seen in the selection field for Concurrent Results, and with the Event Title that appeared on the Concurrent Results.

Changed some of the warning text and ToolTips that are related to the deletion of data entries that are shown within Portals on a page. Any entry within a Portal must be deleted by using the button that has been provided for that purpose. The "Delete Record" button that is within the standard Header on each screen will delete the record that is associated with the screen, not the entry that contained within the Portal. This would not be the outcome that you were seeking were you to attempt to use it for this purpose.

Updated the script that is used to import records from previous versions of BIAB, to ensure that the version number of BIAB cannot be inadvertently changed during this process.

Made cosmetic changes to several views that appear in Competition Files, to make it easier to read some of the header information.

Made cosmetic changes to several of the Main File.JGL screens associated with Pursuit Draws.

BIAB v7.0.3 – 21 December 2009

This is a minor revision of BIAB.

Changed the way that BIAB validates range data that has been entered into a competition file using the keyboard. BIAB now immediately notifies you if you incorrectly enter a non-numerical value, or a value greater than 5. It will no longer allow you to accidentally enter digits twice, such as 22 instead of 2. You have the option of using the validation, or you can turn it off if you find it bothersome.

In list views of data, in most parts of BIAB, I have added extra highlights so that the record that is currently selected, and active, is more obvious to you.

Fixed an issue in which, if you were electronically importing range data from a target system or a Summit Timer, you could get an error message if you copied and process some of the shooting data before it had all been received within BIAB.

BIAB v7.0.2 – 7 December 2009

This is a minor revision of BIAB.

The list of trails to follow, which can be created from within a Competition File and which is intended to be displayed at the Start Line to assist Competitors, now is available in either French or English, depending upon the setting chosen for the language of Start Lists and Results.

A new button has been added to the screen within the Competition File that is used to monitor timer data coming from Summit Timers at the Finish Line. This button will allow you to force a re-sort, into ascending order of bib number, of the bib numbers that have been entered into BIAB as having finished.

In the spreadsheet that shows the aggregated results of Cadet qualifying competitions, the gender of the competitor is now included, and the order in which the fields are listed has been modified.

Minor cosmetic changes have been made to the appearance of some of the screens that show data that has been collected from electronic timing systems.

BIAB v7.0.1 – 26 Sep 2009

This is a major revision of BIAB. The interface that you see in a Competition File has been completely changed. BIAB now uses the same graphic interface model throughout its structure, whether you are

just starting to set up for an event, or are in the middle of gathering results data during a competition. Navigation within the Competition File is much easier and more direct with the new interface. In addition, I have streamlined the code behind many of the processes, including Draws, and Results creation, making them faster.

BIAB can now utilize two different Serial Ports at the same time. This means that BIAB can connect directly to electronic target systems, such as the Kurvinen Electronic System in Canmore or the HoRa 2000e system in Whistler Olympic Park, while using the other Serial Port to connect to a network of Summit timers.

BIAB can now deal with the standard Relay Competition output of the HoRa 2000e target system, so that it no longer requires a special work-around set-up to the HoRa software. BIAB now will infer the colour of the relay bib from the volume of data that has been received from the HoRa system, so that there is no need to enter an extra number as part of the Competitor's bib number to indicate the colour of the bib (a consequence of which is that the HoRa software then loses some of its utility).

All the interfaces used for setting up electronic timers, together with the code that is used for processing electronic data from timers and from timing systems, have been extensively re-vamped to make it easier to navigate within BIAB, and to reduce processing times. It is now much easier to monitor and confirm data coming from an electronic timer, and to copy the electronically received data into the rest of the competition file, which you must do in order to create results.

BIAB now uses a dedicated, but separate and continuously visible, window to allow you to control the flow of data from an electronic timing system. You can interrupt and resume the flow of data at any time, and, provided you do not grossly extend the interruption, the data that was generated during the period that the flow was interrupted will still be available to you as soon as you resume accumulation of the data.

The processes used to amalgamate the performance results achieved during a number of Cadet competitions, to aid in Cadet Region representational team selection processes, have been improved and expanded. You are now permitted to have an unlimited number of individual and relay qualifying competitions, and the data from those competitions is now directly transferred during the amalgamation process, without the use of intermediate files. Previously, the user was forced to manually manipulate data contained in the intermediate files, if it was necessary to hold more than one qualifying competition of each type.

You can now, using a Script Menu command in a Competition File, produce an electronic version of results data, with a choice of two file formats: either as a comma separated values (.csv) file, or as an MS Excel worksheet.

I have made extensive changes to the BIAB capability that allows you to create Agendas for Team Captain's Meetings. You now have total control over the Agenda items, including having a hierarchy of items, and can add brief remarks to any individual Agenda item.

The number of Classes of Competitors that can be associated with any Competition Class which has the words 'Mixed', 'Unit' or 'Composite' in its title, has been increased from 4 to 8, which will properly support the needs of Mixed Relays, as well as other competitions. Within BIAB the meaning of these terms is: 'Mixed' refers to more than one gender, 'Composite' refers to more than one competitor class, and 'Unit' is normally associated with Cadet units, indicating all competitors are from the same unit. In terms of usage this capability effectively allows the flexible creation of Classes of Competitors which have constituent sub-classes, in which you can have mixtures of ages, genders and other competitor attributes.

Some minor changes have been made to some reports and to the way data is displayed, to make BIAB more consistent with the emerging standards that are established by the IBU. In addition, the way that times are displayed in Results has been changed, so that, in general, any leading zeros within the time are suppressed.

Cadet Youth Male and Cadet Youth Female categories have been added to the selection list of available competitor classes, to accommodate the emerging new Cadet Competitor Classes.

The user has been given easier access to the information needed to change the actual names of Competitor Classes (Cadets, Mixed, Bantams, Composite, Youth Women, Midgets, etc.) that are used within BIAB, within the drop-down menu systems.

Changes were made in the way that BIAB determines the data that is needed to calculate the performance percentages that are displayed on results. This change eliminates the possibility of an error in a Pursuit competition, which could have occurred if there were 'unofficial' entries that placed amongst the top three finishers.

BIAB will now accept up to two different Bib Number look-ups for each transponder that is part of the AMB ChipX competitor identification system. One list is made for normal bibs, and the other is made for relay bibs, each linked to the same transponder identifier. Depending upon the type of bibs normally worn for the particular competition, BIAB will automatically use the appropriate list.

If you elect to Display the Draw for any single-start Competition which features a random draw for start times (e.g. an Individual or a Sprint), you will see an entirely new display of the Draw, as it progresses. The display is now meaningful, in that it depicts the double-random nature of the Draw, as if you were conducting it manually.

A large number of cosmetic changes have been made to various screens, and numerous additional tool-tips have been incorporated to provide more assistance to the user. A number of the existing tool-tips have been updated to clarify and further refine the information presented.

BIAB v6.0.7 – 6 February 2009

Fixed a problem with the display of results in Relay competitions. The teams are now sorted into the correct order.

Fixed the use of keyboard entry of finishing bib numbers, in conjunction with using an electronic timer for the finishing time.

BIAB v6.0.6 – 24 January 2009

BIAB is now based upon v10.0 of FileMaker Pro. This new version contains enhancements which will allow additional capability to be built into BIAB.

V6.0.6 contains the new capability of Rapid Data Entry of competition data, which permits the input of shooting results and finish times using only the keyboard, rather than in the past when both the mouse and the keyboard had to be used in sequence. For someone who is reasonably accomplished on a keyboard the new capability can be much faster, particularly when there are many competitors.

BIAB v6.0.5 – 16 December 2008

Fixed a problem with the names of clubs in v6.0.4 that arose when trying to create more Relay or Patrol Teams.

Changed the points tables to update the values for the number of World Cup and Nations Cup points that appear on Results so that the points shown are in accordance with the new points allocations contained in the September 2008 version of the IBU Handbook.

Added the ability to accept Registration Information that has been inputted over the WWW to the Zone4 Registration Web Site, which enables you to have competitor self-registration in Events and which can collect registration fees as part of the process. Any version of Zone4, including the free version, can be used, in addition to BIAB, to set up the registration parameters (go to www.zone4.ca for

more details), but after that has been done, BIAB will import the registration data from a file that has been created by Zone4 specifically for this purpose. The process on importing the data into BIAB will identify the Participants, and register them in Competitions, as well as optionally Enter the Registrants in Concurrent Events that have been defined within BIAB. This allows for an almost seamless transfer of data between Zone4 registration and BIAB, and will greatly reduce the burden of competition registration for those Clubs and Divisions which choose to use the Zone4 services.

Added the ability for the user to choose whether the performance percentages shown on BIAB Results are calculated solely on the basis of the winner's time, or whether the percentages are based upon the average finish time of the first three finishers. In the latter case, which is the method normally used by Biathlon Canada when it is calculating performance percentages, there must be at least four finishers before any percentages are shown on the Results.

Added the capability, WHEN USING A NETWORK OF SUMMIT TIMERS, in a Relay Competition which has a finish line that is not in the Handover Zone, to capture Competitor finish data at both locations. BIAB will now let you produce results from the electronic data when there is a Summit Timer capturing Finish Times and Bib Numbers at the start of the Handover Zone, and from a separate timer (or different timing channel) that is capturing Finish Times and Bib Numbers at the Finish Line.

Removed the capability, which was added in v6.0.4, to be able to enter any Device Number for a Summit Timer on the Summit Timer Network Setup Screen. In hindsight, this option made no sense, since BIAB will only accept Device Numbers from 1 to 8 inclusive, because of the way timer-originated data is processed within BIAB.

BIAB v6.0.4 – 19 May 2008

Added the ability to enter up to four different Adjustment Times for each competitor, and then to have BIAB compute a total for these times, and to use that total in computing the results. In addition, BIAB will automatically create a 'Remark' that appears in the results, and which lists the separate Adjustment Times. This feature was added at the request of the Cadets who have to deal with many adjustment times at local competitions since there is a limited supply of rifles, and Cadets often have to wait on the firing point until a rifle becomes available.

Added features to support the Cadet selection processes in the Regions, in the form of two Scripts, that will automatically aggregate the performance data for both individual competitors and team members using the results from two different competitions, one being a Relay, and the other being some standard form of individual participation competition, such as an Individual, a Sprint, or a Pursuit competition. The aggregated results are returned in two MS Excel spreadsheet files, which can be displayed or printed, and in which the data can be further manipulated if needed. The Scripts are in the Competition File, and are run after each of the competitions in the series has been finished, including the generation of results.

Added the capability, when using the Summit Timing Systems DLL as the means to communicate with a network of SRT 500/1000 timers, to change the amount of time during which the timers are permitted to transmit data after they have been polled by the DLL. While the manufacturer's default time, 400 milliseconds, works fine with 'real' Summit timers, it should be changed to a higher value, 1000 milliseconds is suggested, when a simulated Summit Timer (KES2Summit or HoRa2Summit) is included in the network, since the simulated timers do not respond as quickly as a 'real' timer. This feature is accessed on the Timer Network Set-Up Screen.

Fixed the routine for processing start times and bib numbers from electronic timers that are triggered by a starting gate, or equivalent. This routine associates a bib number with a timing impulse from the starting gate when the timing impulse corresponds to an expected time that is on the start list. The coding in v6.0.3 causes BIAB to go into an endless loop when the last competitor starts. The routine now works correctly.

Corrected an issue with Relay Competitions that caused BIAB not to recognize relay bib numbers (a main bib number with a numerical suffix to represent the bib colour) when shooting data was coming

from Summit timers or from the HoRa target system.

Changed the way that BIAB applies and uses DNS, DNF and DSQ information with teams in Relay competitions. BIAB now associates a Status with each team, as well as with each competitor. The different statuses are now summarized correctly both on the Results and in the cover sheet for Final Results.

Fixed several grammatical errors associated with competitor and team status on the cover sheets for Final Results.

Changed the way that BIAB portrays a missing time on results, so that you will no longer see “.0” appearing when there should simply be a blank space.

Fixed an issue with the sorting order for teams in the results of Relay Competitions, that happened when all members of the team had a status other than ‘OK’.

Changed the default settings for a network of Summit Timers, so that ‘Select Bibs’ (or ‘Posting’ of finish bib numbers) is now the default setting with Summit Timers.

When completing the setup for a network of Summit Timers, whenever setting Device Numbers, the choice of ‘Other’ is now available to permit you to input whatever device number that you choose, rather than having to comply with the recommended device numbers that are on the pull-down menus.

Made minor cosmetic changes in some of the Data Entry screens, to increase the size of fields to display larger numbers, and to properly identify some windows.

Made cosmetic changes to some of the screens associate with Draws, and improved some of the error handling routines associated with Draws, so that the user is given better guidance on how to avoid making that error the next time.

BIAB v6.0.3 – 27 January 2008

Corrected an elusive problem that occurred when using electronic timing and toggling back and forth between the electronic data entry screen and the manual entry screen. Now BIAB will toggle reliably between those two modes.

Corrected an issue that occurred when using electronic timing, and entering Relay Bib numbers. The function now works properly both when manually entering the bib numbers while getting times from the timer, and when entering the bib numbers through the keyboard on a timer. Thanks to John Pierce for bringing this issue to my attention.

Made minor changes to try to be more clear within some of the tool tips that give advice on how to use Summit Timers and enter bib numbers through their keypads.

Added some extra steps in the process of setting up for electronic timing, so that you can more easily ensure that you are connected to the correct serial port on the computer.

BIAB v6.0.2 – 13 January 2008

Corrected a minor error that caused the old software version number to appear within the newer version software if you imported data from an older file using the Script ‘Transfer Data from Previous BIAB Version.’ Thanks to Daniel Bélanger of the ACBQ for pointing out this error.

Corrected a strange looking error on the screens associated with the competition dates, in which an action button appeared on many screens when it should not have been there.

Updated the underlying database software, FileMaker Pro Runtime, to 9.0v3.

Made some minor cosmetic changes to different screens and dialog boxes.

BIAB v6.0.1 – 22 October 2007

Updated the underlying database software, FileMaker Pro Runtime, to 9.0v2, to provide better compatibility with Windows Vista.

Modified, based upon information received from Summit Systems, the code that is sent to an attached MaxStream XStream modems to change the frequency hopping channel sets (in Summit Terminology, the "Modem Network Number") that the modem will use in its operation.

Made minor changes to the appearance of the screen in the competition file that is used to configure networks of Summit Timers. This includes the ability to look up bib numbers that have been assigned to correspond to specific AMB transponders. Confirmed in limited testing that BIAB will work with Summit Timers and the AMB ChipX transponder system to provide identification of competitors.

Introduced the capability to force an order-of-finish of competitors, in the case that two or more have the same finish time, but a tie is not acceptable, such as in Mass Start, Pursuit or Relay Competitions. Once you have determined that there is a tie that must be resolved, in that competition file, go to the form view for the competitors involved, and use the menu provided to specify their placing/order of finish. The forced order-of-finish will appear the next time that results are generated.

Made minor changes to the size of all the windows in Main File.JGL to make more effective use of the available screen space. The windows were slightly reduced in size so that they can be magnified, using the tool at the bottom left corner of the FileMaker window. This should make data visibility much better, particularly on lap-tops and computers with intermediate to high pixel count screens.

BIAB v6.0 – 17 August 2007

Changed the way that BIAB calculates the performance percentages for athletes, so that the performance percentage compares each competitor to the winner of that competition, rather than to the top three finishers as was the case in previous versions of BIAB. This change was made to conform to changes in the Biathlon Canada National Team Program selection requirements so that the calculations from BIAB can be used for that purpose.

Updated the version of the Troi Automatisering Serial Plug-In (from v2.5 to v3.0.2) that is used to get data from timers that are connected to the serial port on the computer. The plug-in is now fully licensed for the end-user of BiaB, so the end-user has no further expenditures to make in order to use BIAB. The upgrade to this version of the plug-in greatly improves the functionality of getting timer data electronically. This version restores to BiaB the capability of continuously receiving data from a single timer, regardless of the type of computer or operating system that is being used, without having to trigger manually the data acquisition process. The downside is that the cost of licensing this upgrade was over US\$1000, and a portion of that cost will be passed on to current and new BIAB licensees, to recoup part of the investment made on behalf of the users of this product.

Updated the scripts that access data on Chronomix 737 timers. Chronomix timers can be used simply for start and finish times, or can be used with the optional timer keypad to enter 'Select' bib numbers.

Made provision for BIAB to be able to interface with and accept shooting data from the Kurvinen Electronic Target System, when it is used in conjunction with Summit Timers on a network of timers.

Changed the way that BIAB calculates Range and Penalty Loop results when these data are coming from a Summit Timer network. The results are now calculated automatically as soon as the data are received from the timer. There is no longer any need to separately initiate the calculation process.

Changed the way that BIAB handles times from a timer that is attached to a starting gate. Now BIAB assumes that the correct Bib Number will start at its assigned time, and if there is a start within the allowable margins of that time, then the scheduled bib number started. If no start happens there is no need for manual intervention. The only time that manual intervention is required is if someone starts out of the scheduled sequence.

Added a script to the Main File so that BIAB can import from a text file a look-up table to get the correct Bib Number associated with an AMB competitor identification chip. BIAB is now compatible with the AMB system provided that it is integrated through a Summit Timer Network, using a serial-port-equipped Summit Timer.

Added the capability to conduct Super-Sprint competitions, as defined under the new (2006) IBU Rules. The Super-Sprint consists of a Qualifying Competition, followed by a Final Competition, for which you must have achieved acceptable performance in the Qualifying Competition to make the cut-off for the final. BIAB will make the draw for both the Qualifying Competition and the Final Competition.

Added the capability, in Pursuit Competitions, to force any class of competitor to start from the first starting lane on the starting grid. This is useful when multiple classes of competitors are starting from the same grid at the same time, or in close temporal proximity, so the spectators can easily identify the leader at the start.

Updated the version of the BiaB Support Plug-In, to make it more sustainable for the future, and to provide a new means of communicating with a network of Summit timers. BiaB users who use Windows now have the option of using the dynamic link library (DLL) developed by Summit systems to continuously poll the timer network. This gives a second reliable means of communicating with a network of timers, and will hopefully mean continued compatibility with the timers by permitting the easy incorporation of capability changes as they are introduced by Summit Systems. This capability does not work with the Mac OS for obvious reasons.

Made significant changes to the way that BIAB handles data that is received from a network of Summit Timers. These changes greatly enhance the reliability of the system and result in a very significant reduction in the number of errors that occur when getting data from the timers on the network.

Changed the options for use with Summit Timers to allow the entry of 'Select' Finish Bib Numbers, or to use the terminology found in the manual of the Summit Timers, to 'Post' Finish Bib Numbers for some competitors.

Increased the number of timers that are allowed to comprise a Network of Summit Timers, and changed the role of some of the timers. Up to 8 timers can now be networked, with up to 2 in the Start/Finish area, 1 providing Intermediate Times (normally in conjunction with the AMB ChipX identification system), up to 4 on the range providing shooting results, and one on the Penalty Loop (normally in conjunction with a detector for the AMB ChipX identification system).

Added the capability, under Preferences, to determine and to change the Radio Frequency Sequence Set number that is being used by an XStream Radio Modem, the kind of radio modem that is used with Summit Wireless Timers. This capability makes it easier to overcome frequency conflicts with the Summit Wireless Timers.

Improved the function that verifies the integrity of the data that has been downloaded from Summit Timers. This allows you to quickly determine that there are no records missing in the sequence of records generated by the timer, and that there has been no duplication of records in the database.

Added the capability to edit more easily the listing of the Bib numbers assigned to each of the Start Times that comes from a timer that is being triggered as each competitor starts in Single Start competitions.

Added the capability to edit more easily, or to type into the database from a separate listing, the Bib

Numbers of the competitors, as they finish, or after they have finished.

Changed how BIAB reacts to data arriving at the serial port. In previous versions, except when Summit Timer Network was being used, any data from a timer that arrived at a serial port had priority. This did result in the occasional interruption of some other activity, such as entering shooting results, when data arrived at the computer. Starting with v6.0, if you stop monitoring the arrival of data, and go to another screen to enter or modify data, data is queued-up (accumulated) at the serial port, and held there until you return to the data monitoring screen. At that point all the data that has been accumulated in the queue will be processed. However, in order for this to happen, you **MUST** use the buttons provided within BIAB to change from one screen view to the other.

Changed the format of the results of Pursuit competitions, so that the finish time is not shown, since it has been causing confusion in Pursuit competitions that have handicap times from the previous competition, but which attempt to reduce that gap to allow both spectators and competitors to enjoy more fully the competition.

Corrected an error in the number of World Cup points that are allocated for sixth place and below.

Added, within the Preferences, two more sets of points that are shown on results, so that BiaB now contains World Cup Points, Nations Cup Points, and Relay Nations Cup Points. You select, on the Preferences screen for Points, which of the three sets of points will appear on the results. You may edit all three of the points sets to use points allocations which best meet your needs.

Modified the Questionnaires used to solicit Entry/Grouping information, so that there is only one questionnaire per team, instead of one for each class of competitor. Made minor changes to the screens associated with generating the questionnaires and for entering the group numbers for the competitors.

Corrected an error in the draw process for Relay and Patrol Teams, which resulted in the wrong order of the teams when groups were used.

Fixed a problem that occasionally occurred when using electronic time, and no longer being able to move easily between the electronic data entry screen and the manual data entry screen.

Made a number of cosmetic changes in various parts of the programme, to make instructions more meaningful and visible, including the incorporation of some new mouse-over tool-tips.

BIAB v5.1.4 – 3 December 2006

Incorporated within BIAB the capability to create Start Lists and Results in either French or English.

The software remains a program that is written in English, and which produces the majority of its output in English, but you can input event and concurrent event titles, and other basic terminology in French and English, and then select the language that you want when you print Start Lists, or any of the several formats of results that BiaB will create.

The French terminology is accessible by selecting the appropriate layout, and by using the menu on the upper left which shows the layouts, the user can gain access to the database containing the French terminology, and make changes to the terminology to better suit local conditions or custom, eg the French equivalent of 'pre-junior boys' is current set as <<garcons cadets>>, but you can change that translation if you wish.

Made some changes to the code used to conduct error checking on data being received from Summit Timers. These changes should make the process more reliable, and reduce the instances of errors happening within the data transfer processes.

For Summit Timers, when you are viewing the data that has been downloaded from the individual

timers, there is now a button that will run a Very, Very Rudimentary script that will scan the records that have been downloaded, and which will alert you about any duplicate records that it finds, and if a timer record is missing from the normal sequence. I caution you that this is a very rudimentary capability, but it does assist you in quickly examining the data that have come from the timer.

This version of BiaB has been created in the latest release of FileMaker, v8.5, which features enhanced performance in Windows and which will run in Intel-native mode, with greatly enhanced performance, on a new Macintosh that has an Intel processor.

BIABv5.1.3 – 1 April 2006

Changed the terminology for the designation of some of the Club-Level Pursuit Competitions. They are now called 'Normalized' rather than 'Leveled' when the start interval is short, and when the handicap time is shortened or eliminated.

Added the ability to selectively display on Start Lists and on Results for Pursuit Competitions whether the Competitor is an 'Unofficial' Competitor, which indicates that he/she did not compete in the qualifying competition, and is not eligible for prizes or placement within the competition.

Added the ability, invoked with a Script from within a Competition File, of adding to that file the data from another competition that has been completed. In this way, the larger, combined file can be used as the "Qualifying Competition" file for a Pursuit Competition, for which the qualifying competition was really two separate files, such as a file from the morning and one from the afternoon. The resultant Competition File for the Pursuit Competition will have all the competitors listed in the correct starting sequence, regardless of which of the original competition files that they were in. Before combining files you should ensure that you have created back-up copies of the files, and that each of the files has been used to produce results, so that each will contain the place attained by the athlete, and the time that each was behind the winner in each of the competition classes.

Fixed an error in which, from within a Competition File, you could experience difficulty in changing the identification of the competitor who is associated with a specific Bib Number.

Fixed an error in the script associated with creating a Grouping Questionnaire, in which, under some circumstances, competitors from more than one class of competitor would be listed on the same Grouping Questionnaire.

Made cosmetic changes to a number of reports, including increasing the space allowable for Bib Numbers on lists and reports, so there is more room to show a longer abbreviation of the colour of bibs issued to the leaders in the North American Cup series. I also increased the amount of space available for titles at the top of forms so that longer organizational names will print properly.

Made cosmetic changes to a number of screens to improve their readability. Changed the order of the selection menus used for Draws. The menu to select the Type of Competition is now consistently on the left, with the 'Select Sub-Set of Records' button immediately adjacent to the selection menu.

BIABv5.1.2 – 18 March 2006

Made a number of cosmetic changes to various screens and reports to improve their appearance, and to change the way that the data is sorted to make the report more useful.

Made a number of mostly cosmetic changes in the form view in competition files, to reduce clutter. At the same time a number of Tool-Tips were added to provide help.

Made several changes to the process of creating Start Lists for the Mass Start competitions. The proper start time, when there are Group Starts, is now calculated. In addition, the order of sort for the Bib Sorting List has been changed.

Added, at the bottom of the screens used to select the competitors to be included in the Draw, the ability to preview and print a report that can be posted, or given to Team Captains, to confirm the data that is about to be used for the Draw.

Added, to the Forms screen, the ability to make Range Stickers, using Avery 5161 labels. This is the system used in the USBA to keep track of range results, by placing the sticker on a large, preformatted sheet to paper, to give an overview of what has happened on the range.

Fixed a problem with acquiring Competitor's Bib Numbers with a network of Summit SRT 1000 Timers. This problem did not affect any other type of electronic timer.

Several users have experienced difficulty with BIAB because they were saving Competition Files into directories other than the one that contains the BIAB application. If you do that BIAB does not work properly because the Competition File cannot find the Main File.JGL, which must be readily accessible for related data, such as the names of the competitors. I therefore changed the scripts that are used, as part of the draw process, to save the Competition File. You now have no choice: BIAB will only save Competition Files in the directory that contains the BIAB application. However, be warned that, in order to achieve this end, during the draw process, BIAB will now over-write any file that has an identical file name AND which is in the same folder/directory as the BIAB application.

Modified slightly the scripts used to create a back-up file, and then to transfer the data into a new version of BIAB. More data is now transferred, and the process is more robust.

Fixed an obscure error that occasionally occurred in which, after a Draw, the Competition File appeared to be for a Team Aggregate competition, when some other category of competition had been chosen.

BIABv5.1.1 - 22 February 2006

Fixed a problem In v5.1.0 In which the type of rifle was Inadvertently taken Into account In the draw process, without the knowledge of the user. This has been corrected.

BIAB v5.1.0 – 17 February 2006

Added the capability to designate competitions for either .22 Rifle, or for Air Rifle, when the competition is being defined. This feature is then used to allow you to assign competitors to separate zeroing lanes for .22 Riles and for Air Rifles.

Changed the display of sponsorship logos on the results of Concurrent Events so that the logo of the sponsor/sanctioning organization for each Concurrent Event is shown at the top of the Concurrent Competition results.

Fixed a minor issue that occurred after having updated a new version of BIAB from a previous version. Now all the records in each of the databases are shown, rather than just the found set.

Made some minor changes to the screens used to define competitions, to make the text more readable.

Reworked the scripts used with a Network of Summit SR1000 timers to count the number of Targets Missed on the range, and the number of Penalty Loops completed.

Reworked the scripts used with a Summit SRT1000 Network to transfer electronic data that has been received and processed into the Competition File. A change was made in the way that Range data is transferred, such that the only range data that is transferred is for those competitors for whom data has been gathered through the Summit Timers. Range performance data, which already exists in the Competition file, is not overwritten unless it has been gathered from one of the Summit Timers.

Fixed a problem of duplicate and missing entries for Summit Timers. This issue arose when there was an error in computing a check-sum for a data packet from a Summit Timer. When there was an error,

the packet that contained the error was not retransmitted, but other packets were, which caused duplicate entries.

Changed the way that the user interacts with BIAB when downloading data from a Network of Summit Timers. When using a Network of Summit Timers, the user must now deliberately poll each timer in order to initiate a data download. However, a new capability has been added in which the user can command BIAB to repeatedly and automatically poll in sequence all Summit Timers on the network, downloading data from each at 3 second intervals. This process works in the foreground, so no other activity can take place while it is on-going, but it takes care of the routine of getting data from the timers. An option has been created in the Preferences, in the Main File, so that you can change the interval at which BIAB polls the timers. The default setting is one timer every two seconds, but you may need to change this to get more reliable operation. Otherwise, the interface for working with the data remains unchanged.

BIAB v5.0.8 – 8 January 2006

Added the capability to create a Club-Rules Pursuit Competition that has a variable standardized start interval, the order of start based upon a qualifying competition, but which does not handicap the Competitors who did not finish first in their class in the Qualifying Competition.

Slightly changed the Start List for Pursuit Competitions to improve its appearance.

Fixed a problem that arose when trying to generate Summary Results when and if, within a Competition File, after the draw one changed the Competition Class of a sole last Competitor, it then caused the behind time in the preceding class of competitor to be incorrect under some circumstances. (This problem didn't arise very often!)

Modified the routines for processing Range and Penalty Loop data from Summit SRT 1000 timers so that Relay Bib numbers can be entered numerically, using 1, 2, 3, and 4 to represent Red, Green, Yellow and Blue, as an additional digit appended to the Bib Number. For example, Bib #22 Green is entered as 222.

Made some minor appearance tweaks to some of the screens used for gathering data from Summit Timers, including some additional ToolTip explanations.

BIAB v5.0.7 - 6 January 2006

Fixed a problem that only existed when using electronic timing, AND if more than one set of competitions was being held on the same day. Under these circumstances the file for the morning would have the wrong bib number sequence appear on the screens associated with the electronic timing.

Modified the formatting for kes.txt to reduce it by one column in the data listing.

Changed the default setting for a SRT1000 network to expect, as the default, that finishing bib numbers would be entered from one of the Summit SRT1000 timers, rather than through the computer key board.

BIAB v5.0.6 – 3 January 2006

Added support for the Kurvinen Electronic System (KES) for scoring targets. This modified the competition file by adding scripts to create a 'kes.txt' file to help configure the KES system, and added the capability to export and import range data to BIAB.

Fixed the 'Import from an Excel Spreadsheet' function which appears not to have worked in v5 because on an error that I made elsewhere in the application. Thanks to John Pierce for pointing this one out.

Fixed the script that assigned each competitor to the Concurrent Events that had been specified for her/his Club/Division.

Made some 'tweaks' to the headers that appear in a number of the print-outs in the Prepare for Draws section, to better accommodate lengthy Event Titles on the printout, so the text is less likely to be truncated by the space limitation.

Made some minor 'tweaks' to the appearance of some items in the Main File.

BIAB v5.0.5 – 20 December 2005

Fixed an error that appeared when attempting to assign competitors to Groups. The choice of adding a competitor to Group #1 is now available.

Updated the Runtime version of FileMaker from 8v1 to 8v2, as released by FileMaker.

BIAB v5.0.4 – 13 December 2005

Added the capability to import data from a previous version of BIAB, so that the process of upgrading to a more recent version of BIAB does not mean a lot of work on behalf of the user, particularly when she/he has already entered a lot of data for an upcoming Event. A script named "Transfer Data from Previous Version" appears on the Scripts menu, and it transfers all the data. It provides instructions for its use.

Added the ability to create a back-up file of the main databases (the Main File.JGL database) which is automatically named "Old Main File.JGL" This same file can be used with an updated version of BIAB as the source for the data that can be transferred to the new version.

Added (or rather reinserted since it was in v4) the ability to specify a custom distance for a competition, using the "Other ..." option on the pop-up menu choice for distance, when you input the parameters of a competition.

BIAB v5.0.3 – 6 December 2005

Fixed an error in the competition file, in the form view of the competition, which became obvious if you tried to change the Type of Competition because the drop down menu did not offer proper choices.

Fixed missing data errors on several of the data confirmation reports in the competition file.

Revised all printed reports to ensure that they use only the Arial font. Hopefully this will alleviate some of the printing issues that some users have been experiencing.

BIAB v5.0.2 - 5 December 2005

Fixed an error which occurred if you conducted a Zeroing Lane Assignment without first having selected a sub-set of competitors to whom to assign zeroing lanes. If you took that action the software took you to a screen from which there was no easy return to familiar screens in the application.

Changed the algorithm used for the allocation of zeroing lanes to selected competitors. The allocation of independent competitors to lanes now works as intended, so that true 'independents' are spread amongst the existing teams that do not have enough competitors to reach the maximum capacity of the zeroing lanes that have been assigned to them. This way those coaches can assist the independent competitors.

BIAB v5.0.1 -- 30 November 2005

Fixed an issue identified in v5.0.0 with the use of BIAB with the ALGE Timy Timer. The software would

not communicate properly with the timer, and would cause a system lock-up. Although I received no reports of errors with the ALGE 8001, TAG HEUER CP520 or the Chronomix 737 timers, they would likely have exhibited similar issues. I have not had the opportunity to test any of these timers with v5 of BiaB. However, should the issue be there, it should have been fixed in this current version.

Corrected an error on the Set-Up screen for those timers listed above that asked for the selection of a Serial Port, when this selection was not required.

Fixed cosmetic issues on a number of screens, in which the displayed text was truncated.

Added more Tool-Tip help in various places.

Note: The issues noted above did not occur with either the Summit SRT 1000 or the TimeTech USA Sprint 8 timers, which I did have available to test with BIAB v5 prior to its release.

BIAB v5.0.0 – 27 November 2005

Major Capability Change

BIAB has been totally re-written, with a complete change of the user interface for the basic setup, the addition of a number of new features and enhancements to capabilities that had previously existed, and the removal of a couple of features that hadn't been used very much. The new interface is a series of capabilities organized into a hierarchical menu structure, with features that are selected in a similar fashion to navigating an internet web site. The interface change means that much more can be accomplished with fewer mouse clicks and keystrokes. BIAB v5 uses the latest version of FileMaker Pro, v8.0; the improvements in which have permitted much of the capability enhancement.

BIAB v5 is restricted to the operating systems on which it will run. You must have Windows 2000 SP4 or later or Windows XP SP2 or later. BIAB v5 will not run under earlier versions of Windows. On a Macintosh you must have OS X v 10.3.9 or later for BIAB to run. BIAB v4 will continue to be available for those who have older operating systems on their computers, but that version will only receive minimum maintenance from now on.

BIAB v5 is being released without documentation, since the existing documentation has not yet been updated to match this wholly new version.

BIAB v5 will handle two new types of Competition, which are the Pursuit Format, and the Cadet Patrol. The former has been included to support the Biathlon Canada hosting policy for 2005/2006, and uses the format of a Pursuit Competition, but instead of a qualifying competition, incorporates a random-draw single start, using standard intervals. The other type is the standard Cadet Patrol Competition, which has not been supported in previous versions of BIAB. BIAB v5 will no longer support the entry of ski times - all competition time entries must be finish times and actual start times. In addition, BIAB v5 will no longer produce results in HTML format, a feature in previous versions.

BIAB v5 now permits multiple competitor starts, allows for bibs to be missing from bib sets, can automatically associate independent competitors with a particular club/division for zeroing lane assignment, uses a new algorithm for zeroing lane assignment that gives better automatic results, has a more logical process for conducting draws, supports gathering contact information about participants, include keeping a copy of digitized photos of competitors, allows for easier verification of data during entry, incorporates on-screen help, in the form of tool-tip explanations of data or screens when the mouse cursor is hovered over a particular area of the screen, and many other changes, which are too numerous to mention.

BIAB v5's capability to use data directly from electronic timing devices remains largely the same as the last iteration of v4 of BIAB. BIAB v5 will work with single timers from ALGE, TAG HEUER, Chronomix, TimeTech USA and Summit Electronic Systems. It will also work with a network of up to

six Summit SRT 1000 timers, from which it will accept and process timing, range and penalty loop data. However, due to a change introduced by FileMaker to its Windows runtime version, the arrival of data from a timer does not automatically initiate the processing of that data. Instead, the operator must periodically click on a button to obtain and process the data. This limitation does not apply if one uses a fully-licensed copy of FileMaker Pro v8 (having paid for each copy) instead of the runtime database engine, nor does it affect either of the runtime or the fully licensed Macintosh versions of FileMaker.

BIAB v4.2.4 – 15 February 2005

Made a slight change in the Race.JGL file, that affects the way that BIAB interprets data that is received from an ALGE 8000 series timer.

Corrected a fault seen when using electronic timing, in that any changes made to Start Times within the Competition File appeared to be ignored when using electronic timing, since the original, unamended Start Times continued to be displayed in listings of the Competition File. Now the listing shows the Start Times from the competition file, as amended.

No other program functionality is affected.

Updated the copyright notices on the splash screens that you see when starting the program and in the 'About Biathlon-in-a-Box' screen. The changes are simply cosmetic; in as far as the workings of the program are concerned.

BIAB v4.2.3 – 12 February 2005

Of note to all. Starting with this version of BIAB, all the BIAB files will be keyed such that they will only function with the expected version of BIAB. You will not be able to intermix files from an earlier version with the latest version. This feature has been introduced to preclude some errors which seem to be attributable to having two or more different versions of BIAB installed on the same computer, and the apparent mixing of files when the program was running.

Fixed two bugs that appear to have been introduced at version 4.2.

The first was that, when using an electronic timer, any range data that had been entered into the electronic file was erased every time that start or finish data was transferred into the competition file. The range data now remains intact.

The second was a bug that caused the function of the automatic advance of the starting bib number to fail when the competition file had been accessed after receiving some electronic data. This malfunction reset the bib number to 1 whenever the next data arrived at the serial port after returning to the electronic data input window after having viewed the competition file. This bug also meant that you could not enter shooting results while start times were being received and bib numbers automatically assigned as a background operation. These function once again work correctly.

Fixed some text formatting errors that caused some of the text to be cut off when printing Provisional and Final Results with some printer drivers.

Made changes in the protocol for processing data from ALGE 8000 series timers, These timers must be set to Absolute timing mode for use with BIAB. The raw times from the Start Channel (C0) and the Finish Channel (C1) are used by BIAB, as well as both the Starting Bib Number and the Finishing Bib Number, which must be input through the keyboards on the ALGE timer.

The documentation has not been changed, since most of the changes to this version were, in essence,

bug fixes.

BIAB v4.2.2 – 20 December 2004

Made minor changes in the steps for selecting a Serial Port when connecting the computer directly to an electronic timer. The serial connection is now made earlier in the process, before the actual device is configured.

Corrected errors associated with Start Times and with starting lanes in the starting grid that occurred in creating Start Lists for Mass Start Competitions.

Introduced into BIAB the ability to use an Excel Spreadsheet to solicit competitor data from clubs and teams, and then to import that data directly into BIAB. This capability should make it easier for organizers of large events to get the competitor data entered in a timely fashion, and with enhanced accuracy. After importing the data from the spreadsheet, BIAB will automatically enter each competitor in all the competitions that have been scheduled for his/her competitor class, and will also create entries in Concurrent Events automatically as well.

Made further minor changes to the way that BIAB works with Summit SRT1000 timers, refining the interface, and making it easier to navigate to the different screens used to see the data and to validate it.

The documentation of BIAB has been update considerably, to reflect the changes noted above, and those that took place in v4.2.1.

BIAB v4.2.1 – 7 October 2004

Corrected some errors in my coding, all of which were associated with the use of the Summit Systems SRT 1000 timers with BIAB, and with the processing of the data received from those timers. No other changes were made to BIAB. The documentation has not yet been updated to reflect those changes.

BIAB v4.2 – 27 September 2004

Major Capability Change

Added the capability to work with the Summit Systems SRT 1000 networkable timer. This version of BIAB will allow communicate with up to six different networked timers, and from those timers can take Start Times, Finish Times, the Bib Numbers of finishers, Range data and Penalty Loop data. These timers are manually interrogated from BIAB, when the operator pushes a button, and will them transmit any data that has been acquired within the timer since the last time it was interrogated. In addition, the communications protocols that are used with these timers are very robust, with error checking taking place with all data that is received from or sent to the timer.

The documentation of BIAB has been updated to reflect the use of the SRT 1000 timers.

BIAB v4.1.2 – 25 April 2004 (not released to the public)

Fixed an issue that was only associated with the use of the ALGE Timy electronic timer with the electronic timing interface with BIAB. There are several different version s of the Timy, that export data to the computer's serial port, but with different lengths of data strings. The capability has been added to BIAB for the user to change the expected string length to match what the timer is producing.

Added a new form, the Protest Form, to the forms and data gathering sheets that can be printed from within BIAB.

Made some minor changes to the headers used for Provisional and Final Results, so that the name of the Event, e.g. "Arctic Winter Games", appears in the text printed on the header

Made a minor change in the header of the Bib Sorting List, so that the date modifier, e.g. "in the morning", appears after the date in the header text.

BIAB v4.1.1 – 7 January 2004

Fixed an issue that was only associated with the use of a TAG Heuer electronic timer with the electronic timing interface with BIAB. There were no other changes.

BIAB v4.1 – 20 December 2003

Major Capability Change

BIAB has been modified to incorporate the ability to create and manage Team Aggregate competitions. This is a new format of individual competition, with a simultaneous start and which uses the shooting rules from the relay competition, i.e. allowing the competitor to hand load and fire an additional 3 rounds. This competition has been introduced by Biathlon Canada for the 2003-2004 competition year, to replace the relay competition at the Canadian National Championships.

Minor Capability Change

Fixed an error that occurred with the Status of Competitors during the transfer of electronic timing data to the competition file. The competitor status was not properly updated during the transfer but the error occurred ONLY WHEN there were no Start Times recorded electronically.

Eliminated the requirement to use the 24U Transcoding Shareware plug-in with the TimeTech Sprint 8 timer. A new plug-in called BiaB Support, written by me, and which does not have any additional fees associated with it, has been provided which gives the same functionality as the 24U Transcoding plug-in and which will also support the future use of the Summit Electronic Timing Systems SRT-1000 timer.

The TAG Heuer CP 705 timer has been added to the list of timers with which BIAB is compatible. Both the CP 705 and the CP 520 produce the same data stream, so no modification of BIAB from version 4.0 was actually necessary, other than to list this timer amongst the available choices.

Made minor improvements to the way that starting grid allocations are made in the mass start competition.

Changed the HTML creation capability to show the extra rounds fired at targets in a relay competition.

Changed the HTML creation capability to show the extra rounds fired at targets in a relay competition.

BIAB v4.0 – 30 August 2003

Major Capability Change

BIAB will now interface with a number of electronic timing systems using the computer's serial port and the RS232 communication protocol. This capability allows for the semi-automatic transfer of data from the timing device into BIAB. A number of the more common timing devices are supported, and more can be added upon request. Notwithstanding this change, BIAB will still work as it always has, with timing data being manually entered into the programme through the computer's keyboard.

The Electronic timing systems currently supported are the ALGE Timy, the ALGE TdC 8000/8001, the Chronomix CC737, the TimeTech Sprint 8 and the TAG Heuer CP-520. At the point of release of this version only the TimeTech Sprint 8 has been subjected to extensive testing, since the other systems have not yet been available to me to use to actually confirm the functionality of the programming.

However, the programming should work since it has been tested using the specifications provided by the manufacturers of the timing systems.

BIAB has been updated to better meet the changing IBU specifications for the content of printed results for competitions. The largest change is to Relay Competitions, for which BIAB will now permit you to account for the extra rounds fired; show the extra shots fired on the results; and show more statistics about the performance of the team members. In addition, the Start Lists for single start competitions now display the Grouping assignment of the competitors, when Grouping is applicable to that particular competition.

Minor Changes

You may now enter into the BIAB preferences card the URL that you plan to use to post your results. That URL will appear in the footer of all Start Lists and Results that you produce with BIAB, telling readers where they may look on the Web to find all the results.

BIAB v3.3 – 20 April 2003

BIAB now uses FileMaker 6.0v4. This change of version of the underlying database software now means that BIAB will run and is certified in Windows XP Pro, and older versions of Windows back to Windows 95, and will run natively in Mac OS X, in Classic mode under Mac OS X, and in older versions of the Mac OS, from v8.6 to v9.2.2. In addition, whether you use Windows or a Mac OS you will notice that when you move the mouse cursor over a button, the shape of the cursor now changes to a button-pushing hand.

Changed the method by which you create a Bib Sorting List in BIAB. In previous versions the Bib Sorting List was a separate option that could be selected using a button from Lists & Reports within any competition file. In this version, rather than having a separate button for the Bib Sorting List, whenever you create a Start List, no matter what type of competition, you will be presented with the option of whether or not you want to create a Bib Sorting List as part of the process to preview the Start List. The method of creating a Bib Sorting List was changed to present the choice at a more logical point in the process of preparing for a competition.

Added an option for Pursuit Competitions that allows you to automatically assign lanes in the Pursuit Starting Grid to each competitor. The software suggests to you the needed number of starting lanes, according to the IBU rules. The Starting Lane that has been assigned is printed on the Start List for Pursuit Competitions. In addition, there is an option for the creation of a separate printed list showing the Starting Lane Assignments in the Pursuit Starting Grid. This capability appears as a selectable option after the Start List has been previewed in the actual competition file for that competition.

Added an option for Relay and Mass Start Competitions, to allow you to preview/print a Starting Lane Assignment for lanes in the mass start grid. This option appears when you print a Start List from the actual competition file. In the case in which you have a number of sequential starts, the software produces a separate Start Lane Assignment List for each different start time. In addition, the assigned Start Lanes are printed on the Start Lists for Mass Start Competitions.

Changed the assignment of Zeroing Lanes so that you can now assign Zeroing Lanes for Official Training Days (or other days if you want) in addition to assigning Zeroing Lanes for Competition days. Added a new report option to the Zeroing Lane Allocation process, which permits the creation of a printed report that shows only the Club/Team name on the report, rather than listing all the competitors by name.

Added a new report in the RELAY_TM.JGL database, which will print a list of the teams that have been defined.

Changed the feature that allows you to pre-define Composite Competitions, to allow the association of up to four different competitions (rather than just two) with each composite competition. This will allow

greater flexibility in composite teams so that more than one competition class, in either or both genders, can be specified as eligible to become members of the Composite Competition.

Made several changes to bring BIAB into line with the 2003 edition of the IBU rulebook. This includes several cosmetic changes, such as changing "Start Number" to read "Bib Number" on screens and reports, and a major change which was to support the new IBU Pursuit format, which allows the organizer to use a Group Start at 5 minutes after the first Single Starts, BUT the IBU rules require that the results still reflect the proper Start Time as defined from the Qualifying Competition, not to use a reduced or modified Start Time, as is sometimes done in club level races. The different Pursuit Options that existed in BIAB have been slightly renamed, so that a competition with "IBU" in its description uses the exact IBU rules, and any competition with "Club" in its description uses modified Start Times to create the results

Changed, in the DIURNAL.JGL database, the categorization of non-competition days from "Unofficial Practice" and "Official Practice" to "Unofficial Training" and "Official Training" to match the terminology in the IBU Rule Book.

In the BIAB.JGL database, fixed the Create Pre-Draw Confirmation Lists reports so that they properly display the records and the column titles on the reports.

In the REGISTER.JGL database, increased from 4 to 6 the number of Competitions that can be seen on the screen at any point in which a competitor has been entered. This will reduce the amount of scrolling needed to verify that the competitor has been entered in the correct Competitions.

Fixed a small problem in the script that created Grouping Questionnaires. The script worked correctly if the only one set of questionnaires was created, but did not properly correctly calculate the number of groups if you tried to create more than one set of questionnaires without first returning to the tabbed cards.

Fixed a problem in the REGISTER.JGL database, in the "Registration & Entry Data" window that, under certain circumstances, caused the wrong competitions to be selected for a competitor when you mouse-clicked the button "Add Competitions as Pre-Defined for this Competition Class." The error that used to occur was, if the Competition Class was "Men", the competitor would also get entered in "Jr Men" competitions, and the same would happen with other similarly named competition classes.

Fixed in the competition files the broken capability to create results for concurrent events. The capability had worked, but had become broken in v3.1.3 and perhaps earlier.

BIAB v3.2 – 18 February 2003

Added the capability to predefine "composite" competitions, which have associated with them two different classes of competitors, such as Youth Men and Youth Women. The two associated competition classes will compete together in a mixed gender event such as the Composite Youth 3 x 5 km Relay. Predefining the "composite" competitions means that you can easily select these competitions for your competitors without having to deliberately change their competition class in the REGISTER.JGL database.

Added the capability to perform "wave starts" in relay competitions. Rather than having a single Simultaneous Start, the first members of the relay teams can be grouped, and each group can be separately started, after a specified delay, from the starting grid. This can help alleviate congestion on the firing range in situations in which there are far more teams than there are positions on the range.

Added the capability to adjust the length of time that names and numbers of competitors are shown during a publicly displayed draw.

Modified the form for the Range Secondary Recorder, to make it far more usable.

Corrected a minor issue to ensure that all records were visible and sorted after using the report feature in the EVENT.JGL database.

Updated the documentation to reflect the above and all the changes to this point.

BIAB v3.1.3 – 3 February 2003

Made minor formatting corrections to the data verification forms that can be printed from the competition file. The corrections were to make the forms more readable, and allow all information to be printed instead of being cut-off due to lack of space.

In the REGISTER.JGL database, added two new colours for the special bibs worn by the current leaders in the North American Cup Series. The special bib colours for the IBU Youth Men and Youth Women are now available.

BIAB v3.1.2 – 22 January 2003

Corrected the problem in which incomplete records would appear in the E_ENTER.JGL database. These incomplete records then had to be manually deleted. Hopefully this change has fully cured the issue, which did happen occasionally.

BIAB v3.1.1 – 6 January 2003

Added two new forms. These are the Finish Line Time-of-Finish Record and the Finish Line Order-of-Finish Record. In addition minor changes were made in most of the other forms that BIAB can produce. Hopefully the forms are now more useable.

Changed slightly the wording in the warning dialog box that you see when you use the script in the Competition File to enter practice data so that you can generate practice results. All the words are now visible on-screen.

To meet the changes in the IBU Rules, changed the designation of “Interim Results” to “Provisional Results.”

Added to the Scripts Menu in all Competition Files a new script that will assist you to quickly reassign Start Times to any group of or to all the competitors. Included in this script is the ability to assign pairs of competitors the same Start Time, so that you can have the simultaneous start of two competitors, then the expected gap to the next pair of competitors. This feature was added at the request of Alberta, and is most likely to be useful when using BIAB for cross-country skiing competitions.

Added to the Scripts Menu in all Competition Files a new script that will assist you to quickly reallocate Bib Numbers (Start Numbers) to competitors. This feature was added in response to a need in Alberta to allow the quick re-assignment of sequential bib numbers for all competitors, even when there is a significant time gap between competitions, when the automatic draw defaults to a gap in the bib numbers that correspond to the time gap.

Added a reminder to the dialog box that appears, during the draw for a Pursuit Competition, when you are selecting the type of Pursuit Start that you will use during the Competition. The reminder is that, before the draw, you must select, for each different Pursuit Competition (when you define and describe it in the EVENTS.JGL database) an appropriate time interval in the field labeled “Pursuit Cut-Off for Group Start.”

Fixed a bug in the REGISTER.JGL database, in that the function of selecting a subset of registrants who were on the same Team/in the same Club now works properly.

Updated the manual to reflect the above changes.

BIAB v3.1 – 10 September 2002

Major Changes:

Changed the RELAY_TM.JGL database so that "Teams" can be annotated as "Official" or "Unofficial." Official Teams are given positional status in results and are awarded World Cup points dependent upon their finish position, as related to other teams. "Unofficial" teams appear in the results, but they are not annotated with a finish position, and do not receive any World Cup Points. This allows composite teams of interested athletes to be entered in events, and shows their performance relative to the other teams, but clearly indicates that they were "just doing it for the fun" rather than for medals/prizes.

The documentation is now in a fully integrated Adobe Acrobat form with its own electronic table of contents, active hyper-links from the table of contents to the appropriate page, and hyper-links on cross references.

The documentation has been updated to reflect all the changes and enhancements that have been made up to this version and a significant amount of editing has taken place to further clarify a number of paragraphs within the text.

Minor Changes:

Changed the name of the database that contains the World Cup Points, from TEMP_PTS.JGL to POINTS.JGL.

Modified the TEMP_PTS.JGL database, which contains the World Cup Points, so that the points allocation can be changed by a determined user.

Made some changes in the DIURNAL.JGL database to the way that the daily agenda report is assembled, and provided more space to enter the data for the time and location of Jury Meetings, Team Captain's Meetings and Awards Ceremonies.

Fixed a bug that appeared in Concurrent Events, in which the final position of Relay and Military Patrol Teams was not properly calculated for the Concurrent Event.

Fixed an intermittent but very irritating bug that caused, in a Relay Competition, some competitors' names to be duplicated a number of times in the Competition File. This bug appeared when a team was included in the draw, but no team members had been assigned to that team.

Fixed a bug that caused an incorrect sort order to be used in the E_ENTER.JGL database, when the button "Re-Order Competitors to add Group Numbers" was pressed.

Fixed a minor problem in that the names of competitions were sometimes not properly displayed when they were being selected from the pop-up menu when performing a team (Relay or Military Patrol) draw.

Corrected a problem in all Competition Files, in which the Club affiliation shown for each competitor in Start Lists and Results was not dynamically updated when the club affiliation for that competitor was changed in the REGISTER.JGL database.

Corrected a minor problem in which the Team Start List and the List of Events only showed one record on the printed copy, unless you changed the choice in the print menu to "Display all Records."

Added more levels (changed from 20 to 35) to the pop-up menu choices for the Competition Order-in-which-to-Start field in the EVENT.JGL database.

Updated the COMP_CLS.JGL database to reflect the changes to the Biathlon Canada 2002-2003

categorization of Competition Classes, as announced in June 2002.

Corrected a minor error on the AGENDA.JGL database screen in which the example date did not change the display format as dictated in the Date/Time Control Panel setting at the system level.

BIAB v3.0.3 – 31 August 2001

Updated the Comp_Cls.jgl database to reflect the final Biathlon Canada 2001 – 2002 categorization of competition classes as announced on 23 August 2001.

BIAB v3.0.2 – 19 August 2001

Fixed a problem introduced in about v2.2 in which the real-time display of a draw with Grouping did not appear to work properly. (NOTE: the results of the Draw were correct, only the display of the draw was not properly sequenced)

Minor Changes

Cosmetically changed the Grouping Questionnaire in the E_ENTER.JGL database. The instructions to the Team Captain are now more precise.

Updated the List View Screen in the AGENDA.JGL database to show the correct menu command for “Show All Records” for v5 of FileMaker since it changed from v4.

Updated the records in the COMP_CLS.JGL database to reflect Biathlon Canada’s proposal for the revised Competition Class names and ages to be used for the 2001/2002 season in Canada.

In the REGISTER.JGL database updated the SCRIPTS that are invoked by the “Add Competitions as Predefined for this Competition Class” and the “Add Concurrent Events as Predefined for this Competitor’s Team” Buttons. Now you will be warned if no Competition Class has been chosen for the Competitor, no Club/Team has been selected, or there are no affiliated Concurrent Events for the Club/Team.

The Documentation has been updated to reflect the changes and enhancements.

BIAB v3.0.1 -- 13 June 2001

Major Changes

BIAB now uses v5.0 of FileMaker Pro. This latest version of FileMaker Pro contains a number of enhancements which permit refinement of some of the features within BIAB. Because of the change in the FileMaker version, you must completely reinstall all BIAB files. It is strongly suggested that you delete any previous version of BIAB before you install this new version, in order to eliminate any possible adverse affects.

A new database, COMP_CLS.JGL (for Competitor Class) has been incorporated into this version, which provides the capability to define the Class of Competitor, link the Class to both the age and gender of the competitor, and automatically calculate and display the normal Class of Competitor for each Athlete, provided that the gender and birth date are entered.

The Forms view in the REGISTER.JGL database has been completely redesigned to improve the speed and accuracy of the entry of Registrant information and to improve the process of Entering Competitors in Competitions. The drop-down menu listing of available Competitions into which the Competitor can be entered is now governed by the Competition Class that has been selected for the competitor. This means that the list of available Competitions is much easier to deal with. In addition, a mouse-clickable button has been added, which can be used to Enter the Competitor in all the Competitions which have been defined for his or her Competition Class. For many Events this will mean

that multiple Entries can be done with one mouse-click.

The suggested Competition Class for each competitor is displayed on the screen for Registering each Competitor, but the actual Class assigned to each Competitor is manually chosen by you, so that moving up or down in Classes is possible.

To save screen real estate in the REGISTER.JGL database and because it wasn't being used, the Communications information fields for each participant have been removed from the screen and from the database.

Eliminated the feature in the EVENT.JGL database that linked a defined Pursuit Competition with its defined Qualifying Competition. This feature was cute from a database geek viewpoint, but did not add any usable feature to BIAB, so it was eliminated in order to allow other, more useful features to be included in the program.

In the EVENTS.JGL database the means by which you create the name for a Competition has been changed. Rather than the free-form text entry in previous versions of BIAB, now you select the Class of Competitor and the Keyword(s) from pop-up menus. This will help standardize the naming of Competitions and should eliminate the possibility of miss-spelling a Keyword. Sufficient flexibility has been retained to allow for distinctly different Events such as Snowshoe Biathlon.

Based upon a number of observations made while BIAB was being used at the Nationals, the process of inputting Team Names for Team Competitions and the steps necessary to select members to a team in the RELAY_TM.JGL database have been greatly streamlined. The time and number of keystrokes required to name and populate Relay and Patrol teams are greatly reduced. In addition, two new Questionnaires, both related to Team Events, have been introduced. These are preprinted Questionnaires with which the Competition Secretary can solicit information from Clubs/Teams related to Team entries.

The actual Draw Process for Relay Team events was been changed so that the software will now perform Relay Team draws by two different processes. If there is Grouping for a Relay, then the Team Group Numbers, in the RELAY_TM.JGL database, are used to set the order of draw for Teams. If Grouping is not applicable, then the Competition-Order-of-Start, from the EVENT.JGL database, for the particular Competition is used to establish the Draw Order.

The ability to create HTML files from Composite Results for both the primary and any concurrent competitions has been fixed, so it now works properly.

Other Changes

A new Tabbed Card, called "Set Preferences" has been added to the stack of cards. This new card now provides direct access to set Preferences for the Event, to Define Concurrent Competitions and to (Re)"Define Competitor Classes" so that you can make local changes to the gender and age limits and the names of the Classes of Competitors used within BIAB. The defaults provided already match the current Classes as set by Biathlon Canada and are matched to the Competitor Classes established for Cadet competitions.

A new report, listing all registrants in alphabetic order, has been added to the REGISTER.JGL database.

A new form, for use in consolidating firing results on the Range, and for use to record firing results passed by radio or land line from the Range to the results preparation area, has been added to the Competition File that is generated after the Draw, on the Reports and Lists page. It is anticipated that this will be a very useful form.

The form for Secondary Range Recorder has been significantly changed. Minor changes have been made to several other forms created by BIAB.

The footer of all Lists and Reports has been modified so that the version number of BIAB from which it was created is printed on each List or Report.

A number of cosmetic and other changes have been made throughout the application, some fixing minor errors but mostly just to improve the appearance of the information presented.

The Documentation has been updated to reflect all the changes and enhancements.

BIAB v2.2.2 – 12 March 2001

Minor changes to some of the reports associated with the Concurrent Events capability that was introduced in v2.2.1.

Corrected errors in creating HTML results that were introduced in v2.2.1 when Concurrent Events were introduced, and changed the way that HTML results are selected from within the Reports Screen in the Competition File. There is now a selectable option for HTML results which will allow the creation of HTML results from all Summary results, including those from Concurrent Events (thanks to Doug Swallow for identifying this oversight)

Corrected an error in creating HTML results for Relay Competitions.

Corrected error in algorithm to create Start List for a Leveled Pursuit Competition. It will now properly handle a tied Behind Time from the qualifying competition.

Updated the documentation to reflect all the changes in v2.2.1 and in v2.2.2.

BIAB v2.2.1 - 28 February 2001 (Not Released to all users)

Major Change

BIAB will now allow you to identify Concurrent Events, (such as a NorAm Cup which is also a Canada Cup which is also an Alberta Cup) and specify the eligibility of each competitor for each of the Concurrent Events. Having done this, BIAB will then produce separate and distinct Composite Results for the overall event, and for each of the Concurrent Events, with just a simple selection from a menu. This capability has resulted in changes in the BIAB.JGL, the EVENT.JGL, the REGISTER.JGL, and the CLUB.JGL databases as well as to the competition file which is created in the Draw process. It also means that an additional database file, C_EVENTS.JGL has been added to the collection of databases which make up BIAB.

Other Changes

When Composite Results are created it is no longer necessary to have previously calculated the results as either Interim or Final. The Composite Results function now recalculates all the results each time that the button is pushed.

A script has been added to the Competition File which will generate sample firing and skiing results which can be used when you are practicing all the functions of BIAB, thereby eliminating the need for you to invent data to practice making results and practicing other functions such as creating Pursuit Competitions which require a qualifying competition. This is not a very sophisticated capability, but it removes much of the drudgery from practice sessions and testing other functions of the software.

A number of other minor changes have been made, most of which are simply minor changes in the format of items that appear on the screen or in reports.

The documentation files have not yet been updated to reflect these new capabilities. This will be done in due course.

BIAB v2.1.1 - 7 February 2001

Major Changes

Made major changes to the way that BIAB handles Pursuit Competitions. Previous versions were limited to Pursuit Competitions which were fully in accordance with the rules for the behind times of competitors, with the inter-competitor gap being set by the qualifying competition. Previous versions of BIAB had difficulty processing Pursuit Competitions that contained more than one class of competitor. Now BIAB allows multiple classes of competitors in a single file, but will allocate separate start times for classes if you wish. It also gives three choices for the inter-competitor gaps: the formal gap, as determined by the qualifying competition, as set out in the IBU Rules, a "leveled competition" in which the order of start is determined by the qualifying competition, but the inter-competitor gap is set at a fixed gap, to close up the competitors, and an option in which the gap between the competitors is set by the qualifying competition, but over which is applied a cutoff time, after which all remaining competitors in that class start en masse. These changes better accommodate club-level competitions by allowing much more flexibility without necessitating the manual modification of Start Times in Competition Files.

Fixed a coding error which caused the Draw for a Pursuit to "lock-up" when a certain set of circumstances were found in the qualifying competition.

Other Changes

Added to the Pursuit Results a column showing the Ski Time for each competitor.

Modified the Zeroing Lane allocation routines to allow the selection of a limited number of firing lanes for use, rather than always having to use lane #1.

Changed some of the algorithms used in Draws to better handle situations in which, in a single competition file, the inter-competitor gap was not the same from one class of competitor to the next, which resulted in the incorrect calculation of start times.

Added the capability to automatically deal with the coloured bibs worn by the class cumulative-points leaders in North American Cup competitions. The colour of the bib for such competitors appears on the Start Lists and Results, having been substituted for the customary start number.

Adjusted the space available for viewing and printing the abbreviations for teams on start lists, results, and reports, to allow longer abbreviations to be viewed.

Added a button to the "Well in Advance of the Competition" card to allow direct access to the CLUB.JGL database for entering and editing Club/Team names and abbreviations. This will encourage getting these set up in advance, and putting some thought and rigor into the Team Names and abbreviations.

Fixed a problem in Competition Files which caused the Club affiliation of a new record (manually created) to not be shown on-screen or in reports.

Changed the way that BIAB links other databases to the trails described in the COURSE.JGL database. Now each trail has a reference number. This means that you can have trails in different locations, but with the same colour of marking, such as Red, and BIAB will correctly calculate the total competition distance when defining competitions in the EVENT.JGL database. Also updated the trails report to show the word "km" to qualify the length of each trail. You no longer have to type in the units for the Distance field, but a unit of measure is still need for the fields describing climbs.

Updated the manual to correct errors and omissions and to reflect all changes introduced in v2.0.3 and v2.0.4.

BIAB v2.0.4 - 19 January 2001

Fixed a minor and irritating problem in which the menu selection choices for Pre-Draw Confirmation Reports (in the E_ENTER.JGL database) were not necessarily up-to-date if changes had been made in the titles of competitions after competitors had already been entered in those competitions.

Added to a number of the pre-draw confirmatory and grouping reports/questionnaires the logo of the event organizing group and the logos of sponsors.

BIAB v2.0.3 - 17 January 2001

Corrected errors which occurred when creating Start Lists and Results from within Competition Files for Relay Competitions which featured more than one class of competitor within the same event.

Made significant revisions to the steps necessary to complete draws for Team events, and to ultimately create a competition file after having completed the draw for team start order. The process is now somewhat less confusing.

Updated a number of links between data bases to take allow the data to be properly updated with only a single entry in the master data base.

Made minor changes in a number of reports, especially those relating to team events, to provide more information, and to sort the information presented in a more logical manner.

Removed background shading from some of the boxes on some of the forms to reduce the obscuration that the shading was causing to light pencil entries on the forms when they were being used.

Fixed a number of minor field linking problems on selection screens related to team events, which were apparent by a <field missing> notice being given.

The documentation has not yet been amended to reflect these changes, but amended documentation will follow shortly.

BIAB v2.0.2 - 28 November 2000

Updated to correct a minor fault, introduced in v2.0.1, on the cover sheet for final results, in that the officials and TD were not actually named on the cover sheet due to a mis-linking of data bases.

Updated the World Cup/North American Cup Points System which shows points on results to reflect the increased points allocation that has been introduced for the 2000/2001 Competition season. First place is now awarded 50 points vice the previous 30, and points are now awarded to 30th place, rather than 25th place.

Also made minor change to the DIURNAL.JGL database, so that only two meetings of the Competition Jury are scheduled rather than three.

BIAB v2.0.1 -- 14 June 2000

MAJOR CHANGE #1

Added the capability for all BIAB functions to use a level of timing precision down to the nearest one-tenth of a second, and to cause that level of precision to appear in all the results. This capability need not be used, and there is an separate capability to suppress the appearance of the decimal seconds in the results, so they don't look strange when that capability is not used.

MAJOR CHANGE #2

Changed the format in which BIAB accepts time data into the competition file. In previous versions it was necessary to format the data, separating hours, minutes and seconds with a colon. Now the digits for the time entry can simply be typed without any special formatting, and BIAB will accept them. This will save at least two shifted keystrokes for every time entered.

OTHER CHANGES

Updated the Documentation to reflect this version and all the changes.

Changed the Agenda form to add an Agenda Item which is the "Coordination of Use of Radio Frequencies" so that conflicts for use of FRS radio frequencies can be avoided.

Added a printable form for recording the results of the equipment inspections.

Changed the way that dates for competitions are managed within the application, such that competition dates are now fully relational between the files. This means that they can be changed at the single source and the change is reflected throughout the application. This should avoid the kind of problem that was experienced by some users when they entered an incorrect date, and then tried to amend it after the draw was completed, which caused misinterpretation of the date. This change should also simplify the 'after the event is over housekeeping chores,' since, if a date/agenda record is deleted, all competitions and entries for that date will be automatically deleted as well.

Cosmetic changes to the appearance the cards in the BIAB.JGL database, and to all the screens in a competition file.

Added, in the Event.JGL database, the geographic locations of the trails and the distance of the trails, both of which are displayed on the pop-up menu from which you select the colour for each trail to be skied in the competition.

Added to the Grouping Questionnaire the ability to manually specify the number of Groups that there will be, in case you want to over-ride the IBU established criteria. At the same time I made cosmetic changes to the associated dialog box.

Added the capability to optionally accept and compute results using timing data in the form of Start and Finish Times or in the form of a pre-computed Ski Time. The latter is the preferred output format from more advanced (and expensive) stand-alone electronic timing systems. Using Ski Times in BIAB does save some data entry effort.

Added the capability to quickly Export and Import files of timing information, specifically Start Times, Finish Times and Ski Times. These files allow three computers to be configured with identical versions of BIAB, and then each used for a portion of the data entry. Then the exported data files are imported into one of the computers to generate results. This should allow the timely handling of larger competitions. The export can be on floppy disk, or over a small network established for that purpose.

Added World Cup Point allocation capability, so the points awarded appear in the printed results for each deserving competitor or team.

Cosmetic changes to the Club Details screen in BIAB.JGL/Set Preferences for the Event.

Changed the display of the date of a competition in the Event.JGL database, so there is less confusion between days and months, and which is which.

Added the capability to generate random numbers, as a choice on the "Preparing for the Team Captain's Meeting 2" card. You can use these random numbers for a simple draw, such as for assignment of team rooms, or any other similar purpose.

Added to the List View in the Event.JGL database, the ability to sort the records by "Type of Competition" so, for instance, all "Sprint" competition entries will be listed together.

Changed the automatic formatting for displaying competitors names in printed reports and elsewhere. Family names are displayed as all upper case, and now, given names with the first letter capitalized, then the remainder of the given name(s) in lower case.

Corrected the logic that is used to take you to the Reports window in the Register.JGL database, and then, when finished with the reports, to return to the correct screen and database (either Biab.JGL or Register.JGL) from whence you came in the first place.

Corrected an error that sometimes caused an apparent lock-up of the screen when you attempted to create a Grouping Questionnaire.

Fixed errors in the Mass Start Composite Results to properly display results from all four bouts of shooting, rather than just the first two.

Fixed an obscure error in the compilation of Results for Relay Competitions and for Military Patrol Competition that would not properly account for imposed penalties under some circumstances. In addition there is no longer a requirement to enter all penalties and adjustment times for a Patrol competition against the Patrol leader. Penalties and adjustments can now be entered and will be listed against the responsible team member.

Made changes to the appearance of the Form and List Screens related to Military Patrol Competitions. The advisory notes for Patrol Competitions only appear on-screen for Patrol competitions, and not during other types of competitions.

Made minor format changes for the Start List, Results and Composite Results for Relay and for Military Patrol Competitions, so show the Club/Team affiliation of each team member.

Fixed a minor problem which caused the incorrect printing date to be displayed at the bottom of the Daily Agenda report.

Fixed a minor typographic error which referred to the date selection menu when creating an Agenda for a Team Captain's Meeting.

BIAB v1.7.3 -- 5 Feb 00

Updated the Documentation File to reflect this version, and the added capability of the Recover command.

Added an HTML Formatted Report specifically for Cross Country (Keyword XC) competitions, so that no shooting results appear in the report.

Added to the BIAB.JGL database (all the tabbed cards) a script that can be run from the SCRIPT menu so that you can attempt to repair damaged database files using the FileMaker Pro "Recover" command. You will know if you need to use this capability because BIAB will refuse to read a particular database file, and will advise you in a dialog box to attempt to repair it using the "Recover" command.

Fixed an error in the E_ENTER.JGL database in the screen used to filter the entries, to restore full functionality, part of which did not work after the introduction of v1.7.1.

Fixed an error that appeared in the Draw routine which prevented it from properly processing Draws with Grouping. In this error, which was probably introduced in v1.7.1, Grouping was ignored during the draw for all non-team competitions. This repaired file is TEMP_S.JGL.

Fixed the routine that created the Team Order Start List after a draw of Teams for the Team Order of

Start, so that it sorts the teams properly, by order of Start Number. This repaired file is TEMP_T.JGL.

BIAB v1.7.2 -- 16 Jan 00

Updated the Documentation file to reflect this version and to correct some errors/poor explanations in the v1.7.1 version.

Fixed an error that was introduced into v1.7.1 in which the Grouping Questionnaires and the preDraw Entries Verification List would no longer function properly.

Reformatted all reports to give a one-half in top and left margin to the printed reports.

Added the capability, within the Competition file which you generate in the Draw process, to print a Trail Order "Poster" which is intended to be posted near the Start Line so that the competitors can have one final verification of the sequence of trails that they are to follow.

Added the capability, on the 'Before the Team Captain's Meeting' to create a standardized Agenda for the upcoming meeting.

BIAB v1.7.1 -- 28 Dec 99

Several changes were made throughout the documentation to correct errors, to reflect the changes in format and content to screens, and to describe some of the features of the new capabilities that have been added and are described below.

Added support for Assigning Zeroing Lanes to Clubs/Teams, on a random selection by Club/Team, and then to print out Zeroing Lane Assignment Listings, to indicate the assignment. In some cases manual fine tuning is necessary to augment the automatic process, to complete the assignment, since the programming necessary to do everything automatically would have been a prohibitive overhead. The manual fine tuning is fast and easy, and it can also be used to over-ride some of the assignment that was done automatically. Access to this capability is by button from the "Preparing for the Team Captain's Meeting" tabbed card. Right now it works for just Individual and Sprint Competitions. Zeroing Lane Assignment support for Pursuit, Relay, and Military Patrol competitions may be added at a later date.

Eliminated three fields in the EVENT.JGL database, the three "Is the competition a" fields are the ones that were eliminated. The function is now performed by additional programming to parse the Competition Descriptive Name for appropriate Key Words.

Added a new report, Bib Sorting List, to the Competition File. This report, which is run after the Draw, produces a printed listing of all the Bib Numbers for the competitors, sorted by Club/Team, and can be used to help sort the Bibs for distribution to Teams.

Added a new report which is a listing of the attributes of the trails that are to be used for the competition.

Revised the screen layout in the Forms View in Competition Files, to provide labels for all fields that are present, to cause less confusion.

Made several changes to the data structure used within BIAB so that the Competition Name, Competition Order-of-Start, Club Name and Club Abbreviated Names are consistently presented as Relational Fields, and will be properly updated whenever a change is made in the EVENTS.JGL database or to the CLUB.JGL database. In addition, the Competition Name and Competition Order-of-Start are now linked in the Competition File, so they will always stay 'in-sync' if manual editing is performed upon the Competition File. This structure change should eliminate some of the occasional aberrations in Results listings that had been reported, and which were causing frustration.

Added a report Team Registration and Entries Confirmation, accessible from the RELAY_TM.JGL database.

BIAB v1.6.5 -- 9 Dec 99

Minor cosmetic change to the "About Biathlon-in-..." screen to better support the Macintosh version.

Minor changes in format of the confirmation report of competitors entered by team, and the competitions in which they are entered. The report is entitled E_Enter/Register by Team.

Shortened the time during the Draw that each competitor's name and then assigned start number is displayed. This change may only be noticeable on very fast computers. The shortened time is intended to give a 1 second exposure, versus the 2 second exposure that was used in all previous versions.

Fixed (I hope) an intermittent problem in the E-ENTER.JGL database of the machine locking up when attempting to select competition names in order to display and print Pre-Draw Confirmatory lists, in preparation for the Team Captain's Meeting.

Minor cosmetic changes to a number of dialog boxes in the E_ENTER.JGL and the REGISTER.JGL databases, to make the buttons and the information text that is presented more readable on screen.

Changed, in the EVENT.JGL database, the sort order for the Report on Types of Competitions and their details, so that the sort is now by Date and then by Competition Order-of-Start, to make it easier to verify details for scheduled competitions.

Changed the calculations of Start Numbers and Start Times during the Draw in order to eliminate errors which occurred when the Inter-Competitor Gap was set to 0 seconds and there was more than one type of Competition running in series from a single start time. The Draw process now gives the correct Start Numbers for Mass Start and other Competitions which contain more than one Class of Competitor. This change allows you to create a Competition File which contains a series of mini-mass start competitions, with each different type of competition (Men's, Women's, etc) having its own mass start time. This new capability will be referred to in the Documentation as the "Sequential Mini-Mass Start," or the "Hay River Sequential Mass Start," to acknowledge its origin. The "Hay River Sequential Mass Start" is achieved by using an Inter-competitor Gap of 0 seconds, and a Gap between Competitions of the desired difference in Start Times. This capability should not be confused with the "Group" start, which is formally defined in the Rule book, requires the use in BIAB of the Key Word "Group" and requires that grouping has been defined and set, that the Inter-competitor Gap is set to 0 seconds, and optionally can work with putting gaps between types of competitions (Jr Men, Jr Women, Men, Women, etc) if the Gap Between Competitions has also been defined.

Fixed a problem on a number of reports in which the date printed was not shown as part of the footer on the report. This problem may still exist on some Reports, and I would appreciate knowing which ones, so that they can be fixed too. The name of each Report should appear on the Report, as part of the footer text, so they can be positively identified this way.

Deleted the Script in several of the databases that deleted all the current records and imported additional records from other databases. This was done because the script was inflexible. Importing as a function is available through the File menu, so the same objective can still be achieved. In the future this capability will be covered in the documentation.

Added to all competition output forms (Start Lists, Interim Results, Final Results and Composite Results) the time and date that they were printed.

Added forms for Secondary Range Recorders (Bibs 1-50 and Bibs 51-100) and a form for the Range Controller.

Fixed the 'Licensed by ...' screen so that the required action would be more obvious and made minor appearance changes to the screen.

Added more detail to the Biathlon-in-a-Box Documentation, to cover more features, including some in v1.6.5. However, the documentation is not yet complete.

BIAB v1.6.4 -- 27 Oct 99

Significantly updated the Biathlon-in-a-Box Instructions, which are available for downloading from the BIAB distribution site, as an Adobe Acrobat PDF file. The instructions are now about 90% complete, and cover most of the features of BIAB. If you do not have the free Adobe Acrobat Reader, you may download it and use it for free. The Adobe URL is <<<http://www.adobe.com>>>.

Cosmetic changes to the tabbed index cards "At the Team Captains' Meeting" to change the appearance of the buttons to choose either Individual or Team type of competition.

Fixed an error in the Draw for Pursuit competitions which caused an apparent lock-up during the Draw process that occurred if there were fewer registrants in the E_Enter database than there were competitors who had competed in the qualifying competition.

Cosmetic changes to the Details of Competitions Report in the EVENT.JGL database.

Changed format of the Results for Pursuit Competitions to show the Final Time for each Competitor, so they will know how they performed in an absolute sense, not simply relative to the winner.

Added special Start List and Results Forms for Cross-Country (keyword "XC") Competitions, so that there is no reference to shooting in any of the printed outputs for such a Competition.

Added the capability to generate HTML files of Composite Results, so that the Results can be uploaded easily on the World Wide Web and/or viewed with any Web Browser. The output of this BIAB function is an HTML Table(s) which contains all the important Results information, in the same order-of-Competitions as the printed Composite Results, showing the Results for all the different Competitions that are contained within the original Competition File. The resultant HTML File can be used as-is, or edited with an HTML editor to add additional information that might be useful to the viewer. This new capability is accessed directly from the Competition File under the Reports & Lists capability. For Competitions for individuals one HTML file is generated, which contains all the results. For Competitions for teams, that is for Relay and for Military Patrol Competitions, two HTML files are generated for each competition. One contains the overall results for each team, and the second contains the performance data for each member of all the team. The files had to be split this way since FileMaker will not generate a single HTML file that contains both the team and individual performance results.

Fixed the error in the calculation of the results of Pursuit Competitions. This error, which existed in all versions prior to v1.6.4, deducted the Pursuit Start Time from the Finish Time, and calculated the results accordingly, rather than using just the Finish Time, which must be used for Pursuit Competitions.

BIAB v1.6.3 -- 31 Aug 99

Cosmetic changes to the screens used to define Relay and Military Patrol Teams, and then on the screens used to select Competitors to those teams.

BIAB v1.6.2 -- 15 Jun 99

Set BIAB to take its date formatting instructions, for entry of dates (as dd/mm/yy or mm-dd-yy, etc) from the Operating System settings, as established by the relevant Windows or Mac OS Control Panels. The format that is in use is displayed within the affected Windows. To use this feature the option "Use

System Formats" must be selected in the "Format" menu of BIAB.

Cosmetic changes to the event description and competitor registration screens, and to the set-up screen in BIAB, to advise how to change the date entry format.