# Fun* with Basic Accountancy 

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*Results may vary

## Why do I need to know how to keep financial records?

Academia:

- Grants
- Conferences

Real life:

- Taxes
- Understanding how well your business is doing
- Legal compliance
- Personal finance*
*I don't do this


# Generally Accepted Accounting Principles (GAAP) 

Based on four assumptions:

- Accounting Entity
- Going Concern
- Monetary Unit Principle
- Time Period Principle


## Generally Accepted

## Accounting Principles (GAAP)

Four basic principles:

- Historical Cost Principle
- Revenue Recognition Principle (i.e. accrual-based accounting)
- Matching Principle
- Full Disclosure Principle


## Generally Accepted

## Accounting Principles (GAAP)

Five constraints:

- Objectivity
- Materiality
- Consistency
- Conservatism (prudence)
- Cost-benefit relationship


# Is Kirk or Spock in a better financial position? 

## Kirk

Spock
\$500 in the bank
Rent $(\$ 1,000)$ already paid
Credit cards maxed out
Gets a Starfleet salary
$\$ 1,000$ in the bank
Rent $(\$ 1,000)$ due tomorrow
\$5k available on credit cards
Left Starfleet to pursue Kolinahr

## Accounts

Note there were four types of things to consider:

- Assets (e.g. cash, but can also be stuff)
- Liabilities (debt)
- Income (e.g. salary)
- Expenses (e.g. rent)


## Cash =/= Profit!

## The Accounting Equation

## Debits and Credits



## Double-Entry Bookkeeping

Every action has an equal, opposite reaction.

For every debit, you must enter an equal credit.



You get a $\$ 10,000$ loan

|  | Debit | Credif |  |  |
| :--- | :--- | :--- | :---: | :---: |
| You get a $\$ 10,000$ loan |  |  |  |  |
| Cash | 10,000 |  |  |  |
|  | Loan |  |  |  |


|  | Debit | Credit |
| :--- | :--- | :--- |
| You get a \$10,000 loan |  |  |
| Cash | 10,000 | 10,000 |
|  | Loan |  |
| You buy a (cheap!) spaceship |  |  |


|  | Debit | Credit |  |
| :--- | :--- | :--- | :--- |
| You get a $\$ 10,000$ loan |  |  |  |
| Cash | 10,000 |  |  |
|  | Loan |  | 10,000 |
| You buy a (cheap!) spaceship |  |  |  |
| Cash |  |  |  |
|  |  |  | 8,000 |


|  |  | Debit | Credit |
| :---: | :---: | :---: | :---: |
| You get a \$10,000 loan |  |  |  |
| Cash |  | 10,000 |  |
|  | Loan |  | 10,000 |
| You buy a (cheap!) spaceship |  |  |  |
| Cash |  |  | 8,000 |
|  | Spaceship | 8,000 |  |
| You sell tickets to travel to the Martian colony |  |  |  |


|  |  | Debit | Credit |
| :---: | :---: | :---: | :---: |
| You get a $\$ 10,000$ loan |  |  |  |
| Cash |  | 10,000 |  |
|  | Loan |  | 10,000 |
| You buy a (cheap!) spaceship |  |  |  |
| Cash |  |  | 8,000 |
|  | Spaceship | 8,000 |  |
| You sell tickets to travel to the Martian colony |  |  |  |
| Cash |  | 7,000 |  |
|  | Sales |  | 7,000 |




|  |  | Debit | Credit |
| :---: | :---: | :---: | :---: |
| You get a $\$ 10,000$ loan |  |  |  |
| Cash |  | 10,000 |  |
|  | Loan |  | 10,000 |
| You buy a (cheap!) spaceship |  |  |  |
| Cash |  |  | 8,000 |
|  | Spaceship | 8,000 |  |
| You sell tickets to travel to the Martian colony |  |  |  |
| Cash |  | 7,000 |  |
|  | Sales |  | 7,000 |
| You buy fuel for the trip |  |  |  |
| Cash |  |  | 2,000 |
|  | Fuel costs | 2,000 |  |
|  | tal | 27,000 | 27,000 |

## The Trial Balance

|  | Debit | Credit |
| :--- | :--- | :--- |
| Assets |  |  |
| Cash | 8,000 |  |
| Fixed assets |  |  |
|  |  |  |
| Liabilities |  | 10,000 |
| Loan |  |  |
| Income |  | 7,000 |
| Sales |  |  |
|  |  |  |
| Expenses |  | 17,000 |
| Fuel |  |  |

## Adjusting Entries

Adjusting entries are needed for accrual accounting to ensure income and expenses are recognized in the correct period.

- Prepayments (cash flow happens too soon)
- Accruals (cash hasn't flowed yet)


## Matching

Income and costs should always be matched to the period covered by the accounts.

|  | Debit | Credit |  |
| :--- | :--- | :--- | :--- |
| $\$ 1,000$ of tickets are for next year |  |  |  |
| Sales |  | 1,000 |  |
|  | Prepaid <br> income |  | 1,000 |

## The Trial Balance

|  | Debit | Credit |
| :--- | :--- | :--- |
| Assets | 7,000 |  |
| Cash | 8,000 |  |
| Fixed assets |  |  |
|  |  | 10,000 |
| Liabilities |  | 1,000 |
| Loan |  |  |
| Prepaid income |  | 6,000 |
| Income |  |  |
| Sales | 2,000 |  |
| Expenses |  | 17,000 |
| Fuel |  | 17,000 |

## Accounting for Stock

Let's say each ticket comes with a spacesuit.

|  |  | Debit | Credit |
| :--- | :--- | :--- | :--- |
| You buy 50 spacesuits for \$100 each |  |  |  |
| Stock |  | 5,000 |  |
|  | Cash |  | 5,000 |

## Accounting for Stock

Let's say each ticket comes with a spacesuit.

|  | Debit |  | Credit |
| :--- | :--- | :--- | :--- |
| You buy 50 spacesuits for \$100 each |  |  |  |
| Stock |  | 5,000 |  |
|  | Cash |  | 5,000 |
| You have sold 6 tickets |  |  |  |
| Stock |  |  | 600 |

## The Trial Balance

|  | Debit | Credit |
| :--- | :--- | :--- |
| Assets | 7,000 |  |
| Cash | 8,000 |  |
| Fixed assets | 600 |  |
| Stock |  |  |
|  |  | 10,000 |
| Liabilities |  | 1,000 |
| Loan |  |  |
| Prepaid income |  | 6,000 |
| Income |  |  |
| Sales |  |  |
|  | 2,000 |  |
| Expenses |  |  |
| Fuel |  | 17,000 |

## Depreciation

The spaceship cost you money and should be represented in your profit, but not all at once.

|  |  | Debit | Credit |
| :--- | :--- | :--- | :--- |
| Spaceship depreciation over 8 years |  |  |  |
|  |  |  |  |
| Depreciation |  | 1,000 | 1,000 |
|  | Fixed assets |  |  |

# The Trial Balance 

|  | Debit | Credif |
| :--- | :--- | ---: |
| Assets | 7,000 |  |
| Cash | 7,000 |  |
| Fixed assets |  | 10,000 |
|  |  | 1,000 |
| Liabilities |  |  |
| Loan |  | 6,000 |
| Prepaid income |  |  |
| Income |  |  |
| Sales |  |  |
| Expenses | 1,000 |  |
| Fuel |  |  |
| Depreciation | 17,000 | 17,000 |

## Debits and credits only have to be equal in value, not number

e.g. Let's pay off some of that loan

|  | Debit | Credit |  |
| :--- | :--- | :--- | :--- |
| Loan payment |  |  |  |
| Cash |  |  | 1,000 |
|  | Loan | 900 |  |
|  | Interest | 100 |  |

## The Trial Balance

|  | Debit | Credit |
| :--- | :--- | :--- |
| Assets | 6,000 |  |
| Cash | 7,000 |  |
| Fixed assets |  |  |
|  |  | 9,100 |
| Liabilities |  | 1,000 |
| Loan |  |  |
| Prepaid income |  | 6,000 |
|  |  |  |
| Income |  |  |
| Sales | 1,000 |  |
|  | 100 |  |
| Expenses |  | 16,100 |
| Fuel |  |  |
| Depreciation |  |  |
| Interest |  |  |

## Financial Statements

A set of financial statements consists of:

Balance Sheet
Profit \& Loss Statement
Cash Flow Statement (sometimes)

## Financial Statements

A set of financial statements consists of:

Balance Sheet (what is your business worth?)

- Assets
- Liabilities
- Equity

Profit \& Loss Statement
Cash Flow Statement (sometimes)

## Financial Statements

A set of financial statements consists of:

Balance Sheet (what is your business worth?)

- Assets
- Liabilities
- Equity

Profit \& Loss Statement (are you making money?)

- Income
- Expenses

Cash Flow Statement (sometimes)

## Financial Statements

A set of financial statements consists of:

Balance Sheet

- Assets
- Liabilities
- Equity

Profit \& Loss Statement

- Income
- Expenses

Cash Flow Statement (sometimes)

- Movement in cash


## The Balance Sheet

|  | Debit |  |
| :--- | :--- | :--- |
| Assets |  | Credit |
| Cash | 6,000 |  |
| Fixed assets | 7,000 |  |


| Liabilities |  |  |
| :--- | :--- | :--- |
| Loan |  | 9,100 |
| Prepaid |  |  |
| Income |  |  |


| Equity |  |
| :--- | :--- |
| Retained |  |
| Earnings |  |

## The Profit \& Loss

|  | Debit |  | Credit |
| :--- | :--- | :--- | :--- |
| Income |  | 6,000 |  |
| Sales |  |  |  |
|  |  |  |  |
| Expenses | 1,000 |  |  |
| Fuel | 100 |  |  |
| Depreciation |  |  |  |
| Interest |  |  | $\mathbf{2 , 9 0 0}$ |
|  |  |  |  |

## Let's look at some more useful examples...



| Bashfest '15 Profit \& Loss |  |  |  |
| :---: | :---: | :---: | :---: |
| Description |  | Dr | Cr |
| INCOME |  |  |  |
| Registration |  |  | 525.00 |
|  |  |  | 525.00 |
|  | TOTAL INCOME |  | 525.00 |
| EXPENSES |  |  |  |
| Direct |  |  |  |
| Hotel |  | 4,328.75 |  |
| Airfare |  | 6,582.85 |  |
| Speakers' expenses |  | 1,950.10 |  |
| Reception |  | 2,784.00 |  |
| Dinner |  | 5,018.40 |  |
| Lunches \& Breaks |  | 4,527.67 |  |
| Wireless cards |  | 12.50 |  |
| T-shirts |  | 608.79 |  |
|  |  | 25,813.06 |  |
| Overheads |  |  |  |
| Materials/ Supplies |  | 281.88 |  |
| Posters |  | 298.32 |  |
| Proceedings |  | 1,715.00 |  |
| Credit card fees |  | 18.38 |  |
| AV |  | - |  |
|  |  | 2,313.58 |  |
|  | TOTAL EXPENSES | 28,126.64 |  |
|  | TOTAL | 28,126.64 | 525.00 |
|  | NET SURPLUS/ (LOSS) |  | (27,601.64) |


| Bashfest '15 Balance Sheet |  |  |  |
| :---: | :---: | :---: | :---: |
| Description |  | Dr | Cr |
| ASSETS |  |  |  |
| Cash |  | - |  |
| Credit card |  | 506.62 |  |
| Prepayments |  |  |  |
|  | TOTAL ASSETS | 506.62 |  |
| LIABILITIES |  |  |  |
| Creditors |  |  |  |
| Creditors |  |  | 28,108.26 |
| Accruals |  |  | $(0.00)$ |
|  | total liabilities |  | 28,108.26 |
| EQUITY |  |  |  |
| Retained earnings |  |  | $(27,601.64)$ |
|  | TOTAL | 506.62 | 506.62 |

Astronomy on Tap ATX Accounts

| Date | Description | Total | Assets |  |  |  |  |  |  | Liabilities |  | Income |  |  |  |  |  |  |  |  | xpenses |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Cash | Credit card |  |  | Stock |  |  | Jeff |  | Donations |  |  | Merchan |  |  | Merchandise | Speakers | Prizes | Advertising | Hardware | Sundry | Finance |
|  |  |  |  |  | Stickers | Buttons | Koozies | Shirts | Glasses |  |  |  | Stickers | Buttons | Koozies | Glasses | Shirts |  |  |  |  |  |  |  |
| 31 ct 14 | Glow necklaces | (18.94) |  |  |  |  |  |  |  |  | (18.94) |  |  |  |  |  |  |  |  | 18.94 |  |  |  |  |
| 31-0ct 14 | Buttons |  |  |  | 40 | 35.92 |  |  |  | (35.92) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 310 ct 14 | Postards | (43.72) |  |  | 8.00 |  |  |  |  | (43.72) |  |  |  |  |  |  |  |  |  |  | 43.72 |  |  |  |
| 31 Oct 14 | Amazon credit card dongle | (10.83) |  |  |  |  |  |  |  |  | (10.83) |  |  |  |  |  |  |  |  |  |  |  |  | 10.83 |
|  | Sale to Rauuel Sale to Natalie | - $\begin{aligned} & 1.00 \\ & 1.00\end{aligned}$ |  |  |  |  |  |  |  | 1.00 | 1.00 |  | (1.0) | (1.00) |  |  |  |  |  |  |  |  |  |  |
| 310 ct 14 | Adjust stock | (1.14) |  |  | (0.79) | (0.36) |  |  |  |  |  |  |  |  |  |  |  | 1.14 |  |  |  |  |  |  |
| $\|$310 Oct 14 <br> 310014 <br> 14 | Drs. Jeff R Racheel | (12.29) |  |  | (1.57) | ${ }^{(0.72)}$ |  |  |  | (250) |  |  |  |  |  |  |  | 2.29 |  |  |  |  |  | 250 |
| $310 \mathrm{ct14}$ | Cash box | (12.10) |  |  |  |  |  |  |  | (12.10) |  |  |  |  |  |  |  |  |  |  |  |  |  | ${ }_{12.10}^{2.50}$ |
| O5 Noov 14 | T-shir deposit |  |  |  |  |  |  | 245.00 |  |  | (245,00) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 Nov 14 | Shint | 15.00 |  | 2.00 15.00 |  |  |  |  |  | (1.00) |  |  |  |  |  |  | (15.00) |  |  |  |  |  |  |  |
| 18 Nov 14 | Shirt | 15.00 |  | 15.00 |  |  |  |  |  |  |  |  |  |  |  |  | (15.00) |  |  |  |  |  |  |  |
| $\left\lvert\, \begin{aligned} & 18 \text { Nov } 14 \\ & 18 \\ & \text { Nov } 14\end{aligned}\right.$ | Shirt s sticker Shirt | - $\begin{aligned} & 1500 \\ & 1500\end{aligned}$ | 15.00 | 16.00 |  |  |  |  |  |  |  |  | (1.00) |  |  |  | $\xrightarrow{(15500)}$ |  |  |  |  |  |  |  |
| 18 Nov 14 | sticker | 1.00 | ${ }_{1.00}$ |  |  |  |  |  |  |  |  |  | (1.0) |  |  |  | (150) |  |  |  |  |  |  |  |
| 18 Nov 14 | Sticker | 1.00 | ${ }^{1.00}$ |  |  |  |  |  |  |  |  |  | ${ }_{\text {(1.0) }}^{(1.00)}$ |  |  |  |  |  |  |  |  |  |  |  |
| 18 Nov 14 | Shirt | - $\begin{array}{r}1500 \\ 15.00 \\ \hline\end{array}$ | 2.00 15.00 |  |  |  |  |  |  |  |  |  | (2.00) |  |  |  | (15.00) |  |  |  |  |  |  |  |
| 18 Nov 14 | Shirt, button, sticker | 17.00 |  | 17.00 |  |  |  |  |  |  |  |  | ${ }^{(1.00)}$ | (1.00) |  |  | (15.0) |  |  |  |  |  |  |  |
| $\left\lvert\, \begin{gathered}18 \text { Nov } 14 \\ 18 \\ \text { Nov } 14\end{gathered}\right.$ | 2 stickers Shirt \& sticker | (r $\begin{array}{r}2.00 \\ 16.00\end{array}$ | 2.00 16.00 |  |  |  |  |  |  |  |  |  | (12.00) |  |  |  | (15.00) |  |  |  |  |  |  |  |
| 18 Nov 14 | Sticker | - $\begin{array}{r}1.00 \\ 150\end{array}$ | 1.00 1.500 |  |  |  |  |  |  |  |  |  | (1.00) |  |  |  | 150 |  |  |  |  |  |  |  |
| ${ }_{18}^{18 \text { Novov } 14}$ | ${ }_{\text {S }}^{\text {shirt }}$ | - $\begin{gathered}1500 \\ (81.25)\end{gathered}$ | 15.00 |  | (7.85) | (0.36) |  | (73.04) |  |  |  |  |  |  |  |  | (15.00) | 81.25 |  |  |  |  |  |  |
| 18 Nov 14 | Shirs | , |  |  |  |  |  | 266.26 |  |  | ${ }_{\text {(26626) }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 No Nov 14 | Penn | (10.06) | (68.0) | (65.00) |  |  |  |  |  | ${ }_{(10.06)}^{6500}$ | 68.00 |  |  |  |  |  |  |  |  |  |  |  | 10.06 |  |
| 10 Dec 14 | Projector screen | (215.41) |  |  |  |  |  |  |  |  | (215.41) |  |  |  |  |  |  |  |  |  |  | 215.41 |  |  |
| $\left\lvert\, \begin{aligned} & 10 \text { Dec } 14 \\ & 14 \\ & \text { dec } 14\end{aligned}\right.$ | ${ }_{\text {Tip ars }}^{\text {Tades }}$ | ( ${ }_{\text {c }}^{(26.844}$ (19.99) |  |  |  |  |  |  |  |  | (126.84) |  |  |  |  |  |  |  |  |  |  | 26.84 | 19.99 |  |
| 15 Dee 14 | Final Cut Pro | (324.74) |  |  |  |  |  |  |  |  | (324.74) |  |  |  |  |  |  |  |  |  |  | 324.74 |  |  |
| 16 Dec 14 | Tps | 236.00 |  |  |  |  |  |  |  |  | 236.00 | (236.00) |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 l Dec 14 | credit cards | ${ }_{10.36}$ |  | 22.00 |  | (2.51) |  | ${ }^{(9.13)}$ |  |  | , |  |  | (7.0) |  |  | (15.00) | ${ }_{11,64}^{12.62}$ |  |  |  |  |  |  |
| ${ }_{1}^{17 \text { Dec } 14}$ |  |  |  | (22.00) |  |  |  |  |  | 22.00 10000 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }^{\text {ab }}$ | donation at As | 100.00 10.87 |  |  |  |  |  | (9.13) |  | 10000 20.00 |  | (150.0.0) |  |  |  |  | (15.00) | 9.13 |  |  |  |  |  |  |
| 114. an 15 <br> 14. an 15 <br> 15 | Glow necklaces so card | ( 3 (32.999) |  |  |  |  |  |  |  | (32.46) | (34.99) |  |  |  |  |  |  |  |  | 34.99 |  | ${ }^{32.46}$ |  |  |
| 17 Jan 15 | fil labels | (4.32) |  |  |  |  |  |  |  | (4.32) |  |  |  |  |  |  |  |  |  |  | 4.32 |  |  |  |
| ${ }^{20} 20$ an 15 | M Mars tips | 20.00 |  |  |  |  |  |  |  |  | 20.00 <br> 133.00 | ${ }_{(133.00)}^{(2200)}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 Jan 15 | Scholz | (120.00) |  |  |  |  |  |  |  |  | (120.00) |  |  |  |  |  |  |  |  |  |  | ${ }^{120.00}$ |  |  |
| ${ }_{\text {20, }}^{20 . \text { an } 15}$ | (c) $\begin{aligned} & \text { ccsies } \\ & \text { cash sales }\end{aligned}$ | 17.83 7.80 | 20.00 | 46.00 | ${ }_{\substack{0 \\(2.73)}}^{(0.9)}$ | (0.72) |  | $\underset{\substack{(27.39) \\(9.13)}}{ }$ |  |  |  |  | ( ${ }_{\text {(1.0) }}^{(1.0)}$ | (2.0) |  |  | $\left(\begin{array}{c}(45.00) \\ (15.00)\end{array}\right.$ | 28.17 12.20 |  |  |  |  |  |  |
| 21 Jan 15 | Projector screen | 150.00 | (20.00) | (4600) |  |  |  |  |  | 46.00 | 150.00 20.00 |  |  |  |  |  |  |  |  |  |  | (150.00) |  |  |
| 21 an 15 | Shirs given away | (82.17) |  | (46.00) |  |  |  | (2.17) |  |  |  |  |  |  |  |  |  | 82.17 |  |  |  |  |  |  |
| 21 Jan 15 | Buttons 8 stickers given away | (2.29) |  |  | (1.57) | (0.72) |  | 1780 |  |  |  |  |  |  |  |  |  | 2.29 |  |  |  |  |  |  |
| 31 an 15 | ${ }^{\text {reshir deposit }}$ | (54.80) |  |  |  |  |  | 174.00 |  | (174.00) | (54.80) |  |  |  |  |  |  |  |  |  |  | 54.80 |  |  |
| 11 feb 15 | T.shirts |  |  |  |  |  |  | 174.35 |  |  | (174.35) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\|$17 feb 15 <br> 17 <br> 17 feb 15 | Tips (Interstelar thumbs down) | 45.00 92.00 | - $\begin{aligned} & 45.00 \\ & 92.00\end{aligned}$ |  |  |  |  |  |  |  |  | $\left(\begin{array}{l}(45.00) \\ (92.00)\end{array}\right.$ |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 feb 15 | Schol2 | (120.00) |  |  |  |  |  |  |  | (120.00) |  |  |  |  |  |  |  |  |  |  |  | ${ }^{120.00}$ |  |  |
| 17 feb 15 |  | 105.00 64.00 | .00 | 105.00 |  |  |  |  |  |  |  |  | (3.0) | (1.0) |  |  | $\left(\begin{array}{l}\text { (10500) }\end{array}\right.$ |  |  |  |  |  |  |  |
| 17 feb 15 |  | (76.40) | (201.00) | (105.00) | (2.36) | ${ }^{(0.36)}$ |  | (73.69) |  | 105.00 | 201.00 |  |  |  |  |  |  | 76.40 |  |  |  |  |  |  |
|  | ${ }^{\text {HoMI cable }}$ Audio cable adapter | (16.99) |  |  |  |  |  |  |  | 5.40) | (16.99) |  |  |  |  |  |  |  |  |  |  | 16.99 5.40 |  |  |
| \|limar 15 | Slack spray paint | (14.88) |  |  |  |  |  |  |  |  | (4.88) |  |  |  |  |  |  |  |  |  |  | 4.88 <br> 7.85 <br> 7.98 |  |  |
| ${ }^{\text {07 Mar }} 15$ |  | (73.96) |  |  |  |  |  |  |  | $\underset{(c y c}{(73.96)}$ |  |  |  |  |  |  |  |  |  |  |  | 73.96 7.88 |  |  |
| 18 Mar 15 | Tps Mars no | ${ }^{60.47}$ | ${ }^{60.47}$ |  |  |  |  |  |  |  |  | (60.47) |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }_{18}^{18 \text { Mar } 15}$ | tosp - Mars es Cash sales | - 228.65 | ${ }_{82}^{228.00}$ |  |  |  |  |  |  |  |  | ${ }_{\text {(1280) }}^{(26.65)}$ | (1.0) | (3.0) |  |  |  |  |  |  |  |  |  |  |
|  | ce cales | ${ }^{105.00}$ |  | ${ }^{105.00}$ |  | (1.08) |  |  |  |  |  |  |  |  |  |  | (105.00) | 5 |  |  |  |  |  |  |
| 18 Mar 15 | stock | ${ }_{(171.67)}^{(103.53)}$ |  |  | (0.79) | (1.08) |  | (101.6) |  |  | (171.67) |  |  |  |  |  |  | 103.53 | 51.67 |  |  | 12.00 |  |  |
| 18 Mar 15 | ${ }^{\text {tix }}$ tistock for eiveways |  | (371.12) | (105.00) |  |  |  |  |  | 194.34 | 281.78 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29 Mar 15 | Tuneskit | (44.95) |  |  |  |  |  |  |  |  | (44.95) |  |  |  |  |  |  |  |  |  |  | 44.95 |  |  |
| ${ }_{\text {10 Ap } 15}{ }^{33 \text { apr } 15}$ | ${ }^{\text {Reash sales }}$ ( | 73.96 18.00 | 18.00 |  |  |  |  |  |  |  |  |  |  | (3.0) |  |  | (15.00) |  |  |  |  | (73.96) |  |  |
| 10 Apr 15 | ${ }_{\text {dit }}^{\text {ditation from Randi }}$ |  | (18.00) |  |  |  |  |  |  | 3.00 | 15.00 35.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }_{16}^{10 \text { APr } 15}$ | ${ }_{\text {den }}^{\text {Toanation from Randi }}$ | 35.00 <br> $32.43)$ |  |  |  |  |  |  |  | (32.43) |  |  |  |  |  |  |  |  |  |  |  | ${ }^{32.43}$ |  |  |
| 21 Apr 15 | Tips - XoF | (11.00 |  |  |  |  |  |  |  |  |  | (111.0) |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 Apr 15 | Cash sales | 3.00 | 3.00 |  |  |  |  |  |  |  |  |  | (2.00) | (1.00) |  |  |  |  |  |  |  |  |  |  |
| 22 Anpr 15 | Midway Field House Cash sles | $\underset{\substack{(50.00) \\ 2.00}}{ }$ |  |  |  |  |  |  |  |  | (50.00) |  | (2.0) |  |  |  |  |  | 50.00 |  |  |  |  |  |
| 22 Apr 15 | tir |  | (215.0) |  |  |  |  |  |  |  | 215.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 Apr 15 | Donation to food Center Trable for Science Extraganaa | (15.00) |  |  |  |  |  |  |  | ( $\begin{gathered}(5.00) \\ (10.00)\end{gathered}$ |  |  |  |  |  |  |  |  | 5.00 |  | 10.00 |  |  |  |
|  | Postards North oor | (21.11) |  |  |  |  |  |  |  | ( 21.111$)$ |  |  |  |  |  |  |  |  |  |  | ${ }_{21.11}$ |  |  |  |
| ${ }_{26}^{26 \text { May } 15} 15$ | North Door Cash sales | (66.00) | 6.00 |  |  |  |  |  |  | ${ }^{(66.00)}$ |  |  | (1.00) | (5.0) |  |  |  |  | 66.00 |  |  |  |  |  |
| 26 May 15 | ${ }^{\text {Tipss Eagle }}$ | 126.75 104.25 |  |  |  |  |  |  |  | 111.50 | 15.25 10245 | ${ }^{(126.75)}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }_{26 \text { May } 15}^{26 \text { May } 15}$ | ${ }_{\text {tfr }}^{\text {tips }}$-Whiripool | ${ }^{104.25}$ | (6.0) |  |  |  |  |  |  |  | (104.25 6.00 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| [30 Jun 15 | North Door | ${ }_{\text {(68.00) }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 68.00 |  |  |  |  |  |


| Astronomy on Tap ATX Balance Sheet |  |  |
| :---: | :---: | :---: |
| Description | Dr | Cr |
| ASSETS |  |  |
| Cash | - |  |
| Credit card | - |  |
| Stock |  |  |
| Stickers | 0.01 |  |
| Buttons | 14.72 |  |
| Koozies | - |  |
| Shirts | 206.71 |  |
| Glasses | 98.36 |  |
| TOTAL ASSETS | 319.80 |  |
| LIABILITIES |  |  |
| Creditors |  |  |
| Jeff |  | (292.70) |
| Rachael |  | (11.20) |
| total liabilities |  | (303.90) |
| EQUITY |  |  |
| Retained earnings |  | 623.70 |
| total | 319.80 | 319.80 |


|  | Cash out |  | Cash in |  | Total out | Total in | Net | Cumulative |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Jeff R | Rachael | Jeff | Rachael |  |  |  |  |
| Total | $(2,342.88)$ | $(3,413.56)$ | 2,635.58 | 3,424.76 | (5,756.44) | 6,060.34 | 303.90 | 4,384.47 |
| Oct-14 | F (178.24) | (29.77) | $1.00{ }^{\circ}$ | 1.00 | (208.01) | 2.00 | (206.01) | (206.01) |
| Nov-14 | (11.06) ${ }^{\text {F }}$ | (512.26) | $65.00^{\circ}$ | 68.00 | (523.32) | 133.00 | (390.32) | (596.33) |
| Dec-14 | $0.00{ }^{\text {F }}$ | (586.98) | $22.00{ }^{\prime}$ | 453.20 | (586.98) | 475.20 | (111.78) | (708.11) |
| Jan-15 | $\cdots(210.78)^{\circ}$ | (209.79) | $166.00{ }^{\text {F }}$ | 323.00 | (420.57) | 489.00 | 68.43 | (639.68) |
| Feb-15 | $\cdots(120.00)^{\circ}$ | (174.35) | $105.00^{\circ}$ | 201.00 | (294.35) | 306.00 | 11.65 | (628.03) |
| Mar-15 | - (87.24) | (238.49) | $194.34^{\prime}$ | 281.78 | (325.73) | 476.12 | 150.39 | (477.64) |
| Apr-15 | $(47.43)^{\text {F }}$ | (50.00) | 76.96 | 265.00 | (97.43) | 341.96 | 244.53 | (233.11) |
| May-15 | (87.11) ${ }^{\text {F }}$ | - 0.00 | $111.50{ }^{\text {F }}$ | 125.50 | (87.11) | 237.00 | 149.89 | (83.22) |
| Jun-15 | $F(68.00)^{\circ}$ | - 0.00 | $150.00^{\text {F }}$ | 164.68 | (68.00) | 314.68 | 246.68 | 163.46 |
| Jul-15 | ${ }^{-147.99)}$ | - 3.00 ) | 235.32 | 91.00 | (150.99) | 326.32 | 175.33 | 338.79 |
| Aug-15 | $\cdots(15.19)^{\circ}$ | (319.75) | $200.60{ }^{\circ}$ | 437.68 | (334.94) | 638.28 | 303.34 | 642.13 |
| Sep-15 | $\cdots(197.00)^{\circ}$ | (263.79) | $194.52^{\circ}$ | 418.92 | (460.79) | 613.44 | 152.65 | 794.78 |
| Oct-15 | $\overline{-180.00)}{ }^{\circ}$ | (52.20) | $257.44^{\prime}$ | 89.00 | (132.20) | 346.44 | 214.24 | 1,009.02 |
| Nov-15 | ${ }^{(382.87)}{ }^{\circ}$ | (332.53) | $214.17^{\prime \prime}$ | 0.00 | (715.40) | 214.17 | (501.23) | 507.79 |
| Dec-15 | $\cdots(5.00)^{\circ}$ | (86.40) | $78.42^{\prime}$ | 374.00 | (91.40) | 452.42 | 361.02 | 868.81 |
| Jan-16 | $\cdots(103.87)^{\circ}$ | - (5.00) | $132.55^{\prime}$ | 33.00 | (108.87) | 165.55 | 56.68 | 925.49 |
| Feb-16 | $\cdots(154.60)^{\circ}$ | - 0.00 | $161.54{ }^{\prime}$ | 8.00 | (154.60) | 169.54 | 14.94 | 940.43 |
| Mar-16 | $\cdots(357.00)^{\circ}$ | (90.42) | $213.26^{\prime \prime}$ | 0.00 | (447.42) | 213.26 | (234.16) | 706.27 |
| Apr-16 | (4.50) ${ }^{\text {F }}$ | (92.00) | $55.96{ }^{\text { }}$ | 90.00 | (96.50) | 145.96 | 49.46 | 755.73 |
| May-16 | $(85.00)^{\text {F }}$ | (366.83) | $0.00{ }^{\text {F }}$ | 0.00 | (451.83) | 0.00 | (451.83) | 303.90 |

## Cash flow



| Astronomy on Tap ATX Profit \& Loss |  |  |  |
| :---: | :---: | :---: | :---: |
| Description |  | Dr | Cr |
| INCOME |  |  |  |
| Merchandise |  |  |  |
| Stickers |  |  | 91.00 |
| Buttons |  |  | 48.00 |
| Koozies |  |  | 240.00 |
| Shirts |  |  | 1,665.00 |
| Glasses |  |  | 276.00 |
|  |  |  | 2,320.00 |
| Donations |  |  | 3,513.85 |
|  | TOTAL INCOME |  | 5,833.85 |
| EXPENSES |  |  |  |
| Direct |  |  |  |
| Merchandise |  | 1,921.84 |  |
| Speakers |  | 1,379.27 |  |
| Prizes |  | 117.44 |  |
|  |  | 3,418.55 |  |
| Overheads |  |  |  |
| Advertising |  | 155.41 |  |
| Finance |  | 35.90 |  |
| Hardware Sundry |  | 1,478.30 |  |
|  |  | 121.99 |  |
| Sundry |  | 1,791.60 |  |
|  | TOTAL EXPENSES | 5,210.15 |  |
|  | total | 5,210.15 | 5,833.85 |
|  | NET SURPLUS/ (LOSS) |  | 623.70 |

Income by Month


## Easy way to manage grants...

| Rachael Livermore Budget |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Description | Total | Account |  |  |  |  |  |  | Income |  |  | Expenses |  |  |  |
|  |  |  | $\begin{array}{\|l\|} \hline \begin{array}{l} \text { Steve } \\ \text { Startup } \end{array} \end{array}$ | Steve NASA | Computer fund | HST | NASA |  |  | Steve startup | NASA | HST | Conferences | Observing | Hardware | Overheads |
|  |  |  |  |  |  |  | Domestic travel | International travel | Publications |  |  |  |  |  |  |  |
| 26 Aug 13 | Startup | 13,000.00 | 10,000.00 |  | 3,000.00 |  |  |  |  | (13,000.00) |  |  |  |  |  |  |
| 26 Aug 13 | CANDELS meeting | (1,349.12) | (1,399.12) |  |  |  |  |  |  |  |  |  | 1,399.12 |  |  |  |
| 26 Aug 13 | Computer | (2,378.00) |  |  | (2,378.00) |  |  |  |  |  |  |  |  |  | 2,378.00 |  |
| 09 Nov 13 | MOSFRE | (1,417.02) |  | (1,417.02) |  |  |  |  |  |  |  |  |  | 1,417.02 |  |  |
| 09 Dee 13 | Texas Symposium | (1,356.64) | (1,356.64) |  |  |  |  |  |  |  |  |  | 1,356.64 |  |  |  |
| O3 Feb 14 | McDonald | (650.88) | (650.88) |  |  |  |  |  |  |  |  |  |  | ${ }^{650.88}$ |  |  |
| 18 Feb 14 12 Mar 14 | ${ }^{\text {DEIMOS }}$ | (1,$(1,750.11)$ <br> $(2,668.53)$ <br> 12,4$)$ |  | $(1,750.11)$ $(2,668.53)$ |  |  |  |  |  |  |  |  |  | $1,750.11$ $2,668.53$ |  |  |
| 12 Mar 14 05 Sun 14 |  | - $\begin{aligned} & (12,668.53) \\ & (2,264.45)\end{aligned}$ | (2,266.45) | (2,668.53) |  |  |  |  |  |  |  |  | 2,264.45 |  |  |  |
| 23 Jun 14 | McDonald | (815.88) | (815.88) |  |  |  |  |  |  |  |  |  |  | 815.88 |  |  |
| 27 Jul 14 <br> ${ }^{\text {ang }} 14$ | CANDELS meeting | (541.53) | (541.53) |  |  |  |  |  |  |  |  |  | 541.53 |  |  |  |
| O5 Aug 14 015 Sep 14 | Laptop \& hard drives Steve startup | - $\begin{array}{r}(2,819.08) \\ 10,000.00\end{array}$ | $(2,197.08)$ $10,000.00$ |  | (622.0) |  |  |  |  | (10,000.00) |  |  |  |  | 2,819.08 |  |
| 30 Sep 14 | NASA/DEIMOS | 12,258.00 |  |  |  |  | 3,065.00 | 3,064.00 | 6,129.00 |  | (6,129.0) |  |  |  |  | 6,742.00 |
| 01 Oct 14 | Keck Science Meeting | (926.61) | (926.61) |  |  |  |  |  |  |  |  |  | 926.61 |  |  |  |
| 18 Oct 14 18 Oct 14 | ${ }^{\text {DEIMOS }}$ | -$(1,431.95)$ <br> $(1,225.33)$ <br> 10.350 |  |  |  |  | - $\begin{array}{r}(1,431.95) \\ (1,225.33)\end{array}$ |  |  |  |  |  |  | $1,431.95$ $1,225.33$ |  |  |
| 11 Nov 14 | Yale HFF meeting | (1,363.81) | (1,363.81) |  |  |  |  |  |  |  |  |  | 1,363.81 |  |  |  |
| 15 Jan 15 | McDonald | (842.62) | (842.62) |  |  |  |  |  |  |  |  |  |  | 842.62 |  |  |
| 20 Feb 15 | Sesto Frontier Fields meeting | (3,158.77) | (3,158.77) |  |  |  |  |  |  |  |  |  | 3,158.77 |  |  |  |
| 18 May 15 06 Jun 15 | Mconald ${ }_{\text {M }}$ | (18, ${ }^{(839.68)}$ | (839.68) |  |  |  |  | (2,813.54) |  |  |  |  |  | 839.68 |  |  |
| 15 Aug 15 | IaU | (4,205.06) | (4,205.06) |  |  |  |  |  |  |  |  |  | 4,205.06 |  |  |  |
| 01 Sep 15 | Steve startup | 10,000.00 | 10,000.00 |  |  |  |  |  |  | (10,000.00) |  |  |  |  |  |  |
| 27 Sep 15 | ${ }^{\text {BAT }}$ meeting | ${ }_{(23024)}^{(13072)}$ | ${ }^{(1330.24)}$ |  |  |  |  |  |  |  |  |  | 130.24 |  |  |  |
| (02 Jan 16 | A AS (inc. AAS membership) | (1,012.93) | (2, |  |  |  |  |  |  |  |  |  | 2,367.08 | 1,012.93 |  |  |
| 06 Mar 16 | Aspen | (2,116.78) | (2,116.78) |  |  |  |  |  |  |  |  |  | .116.78 |  |  |  |
| 16 Jul 16 | Malta | (1,786.36) | $(3,786.36)$ |  |  |  |  |  |  |  |  |  | 3,786.36 |  |  |  |
| 01 Sep 16 | HST Archival Grant | 118,601.00 |  |  |  | 118,601.00 |  |  |  |  |  | (118,601.00) |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | , |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 119,627.00 | 74.48 | ( $5,835.66$ ) |  | 118,601.00 | 407.72 | 250.46 | 6,129.00 | (33,000.00) | (6,129.00) | (118,601.00) | 26,379.99 | 12,654.93 | 5,197.08 | 6,742.00 |



